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NATIONAL INSTITUTES OF HEALTH

Grants
for
Training
Construction
Cancer Control
Medical Libraries

Fiscal Year 1980 Funds

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service — National Institutes of Health

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U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service National Institutes of Health

NIH Publication No. 81-1043

Prepared by

NATIONAL INSTITUTES OF HEALTH

DIVISION OF RESEARCH GRANTS

Statistics and Analysis Branch

PREFACE

The mission of the National Institutes of Health is to protect and improve the health of the American people. To achieve this goal, NIH conducts biomedical research in its own laboratories; provides grants to nonprofit organizations and academic institutions for research; provides grants for the training of research investigators; supports biomedical communications through programs and activities of the National Library of Medicine; and provides grants for facilities and other resources required for cancer research. In addition, the research contract mechanism is used under appropriate circumstances.

Listings of NIH grants and research and development contracts are prepared annually by the Division of Research Grants. This book presents listings of fellowships, training, cancer research facilities, cancer control, and medical library grants. Awards made under the newly initiated cooperative agreements program are also included. Awards for cooperative agreements, training, and construction made by other constituent agencies of the Public Health Service are not included in this volume.

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TECHNICAL NOTE

Cancer Control Grants

The research demonstration and dissemination projects of the National Cancer Institute, formerly presented in the volume listing NIH Research Grants, are being shown in this volume effective with fiscal year 1978 funds. These grants, commonly referred to as cancer control grants, are shown separately from research grants in the budget, and their exclusion from the volume on research grants was for the purpose of conforming with their treatment in the budgetary process. To reflect their uniqueness, the cancer control grants are shown in a separate table in this volume.

Cooperative Agreements

Cooperative agreements reflect an assistance relationship between NIH and the recipient. Substantial programmatic involvement is anticipated between NIH and the recipient during performance of the contemplated activity. NIH assists, supports or stimulates, and participates substantially with recipients in conducting projects similar in program intent to those for grants. To reflect this uniqueness, cooperative agreements are shown in a separate table in this volume.

Organization Identification

In the presentation of grants made from fiscal year 1980 funds, emphasis is placed on listing the organizations in the city and State of the unit in which professional responsibility of the principal investigator lies. Study of the structure of grantee organizations in the United States (primarily universities and colleges, and State Departments of Mental Health or their equivalents) has led to the following qualifications in the listing of their names:

1. Within a given city, if an institution of higher education is comprised of two or more campuses reporting directly to the central administration, each campus is listed separately.

2. If a foundation has been established for the purpose of receiving and administering funds, the name and location of the organization having professional responsibility for the grant is shown rather than the name and location of the foundation. The name of the foundation is indicated in the Appendix if it differs materially from the name of the organization.
3. In the listing of governmental organizations, Federal as well as non-Federal, the name of the parent department precedes that of the individual component, and the organization is listed as many times within a given city as there are components of the organization receiving grants.
4. If an association receiving a grant has a fixed national headquarters, the grants are listed at the headquarters location. If, however, the association does not have a fixed headquarters, the grants are listed in the city shown for this organization in either the Encyclopedia of Associations (1) or the Research Centers Directory (2).

These qualifications do not apply to foreign institutions or to some domestic organizations, because a systematic study of their organizational structure has not been made. Organizations which require a clarifying comment, or which appear in more than one geographical location, are listed alphabetically in the Appendix.

Supplemental Awards

In this publication, supplemental awards are combined with the parent grant, or with other supplements, when both awards are made from the same fiscal year funds. Supplemental grants awarded in fiscal year 1980 to parent grants awarded in a previous fiscal year are shown separately; if two or more such supplements were made during fiscal year 1980, these supplements are combined.

(1) Fiske, M. (Ed.): Encyclopedia of Associations. Gale Research Co., Detroit, Mich., 13 ed., Vol. 1 and supplements, 1979.

(2) Palmer, A.M. (Ed.): Research Centers Directory. Gale Research Co., Detroit, Mich., 6 ed. and supplements, 1978.

ABBREVIATIONS

The NIH component supporting a grant is indicated by the code letters in the left-hand column. These code letters form part of the identification of the grant number.

Code for supporting component		*Abbreviation of supporting component*
	Institutes and Research Divisions	IRD
AG	National Institute on Aging	NIA
AI	National Institute of Allergy and Infectious Diseases	NIAID
AM	National Institute of Arthritis, Metabolism, and Digestive Diseases	NIAMDD
CA	National Cancer Institute	NCI
DE	National Institute of Dental Research	NIDR
ES	National Institute of Environmental Health Sciences	NIEHS
EY	National Eye Institute	NEI
GM	National Institute of General Medical Sciences	NIGMS
HD	National Institute of Child Health and Human Development	NICHD
HL	National Heart, Lung, and Blood Institute	NHLBI
NS	National Institute of Neurological and Communicative Disorders and Stroke	NINCDS
RR	Division of Research Resources	DRR
TW	Fogarty International Center	FIC
LM	National Library of Medicine	NLM
	National Institutes of Health	NIH

TABLE 1--Summary of NIH Training, Construction, Medical Library and Cancer Control Grants, by Supporting Component, Fiscal Year 1980

Supporting Component	Total Training	Training				Construction Grants		Cancer Control Grants		Medical Library Grants	
		Research Training Grants		Fellowships and Nat'l. Research Service Awards*							
	Dollars	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
Total National Institutes of Health	182,750,478	1,515	143,885,160	1,973	38,865,318	10	10,813,603	119	22,886,530	74	1,595,552
Institutes and Research Divisions	181,112,531	1,505	142,247,213	1,973	38,865,318	10	10,813,603	119	22,886,530	..	...
Division of Research Resources	656,000	9	634,618	1	21,382	..	...	..	...	..	...
Fogarty International Center	4,256,497	..	...	204	4,256,497	..	...	..	...	..	...
National Cancer Institute	27,826,677	178	23,810,115	219	4,016,562	10	10,813,603	119	22,886,530	..	...
National Eye Institute	4,509,717	42	2,737,846	92	1,771,871	..	...	..	...	..	...
National Heart, Lung, and Blood Institute	31,798,346	353	27,073,878	237	4,724,468	..	...	..	...	..	...
National Institute of Allergy and Infectious Diseases	9,510,716	87	7,351,736	111	2,158,980	..	...	..	...	..	...
National Institute of Arthritis, Metabolism, and Digestive Diseases	21,728,331	251	16,424,874	262	5,303,457	..	...	..	...	..	...
National Institute of Child Health and Human Development	10,805,944	99	8,201,596	134	2,604,348	..	...	..	...	..	...
National Institute of Dental Research	3,889,998	36	2,726,440	65	1,163,558	..	...	..	...	..	...
National Institute of Environmental Health Sciences	6,513,000	46	5,852,197	32	660,803	..	...	..	...	..	...
National Institute of General Medical Sciences	47,932,115	287	39,961,081	397	7,971,034	..	...	..	...	..	...
National Institute of Neurological and Communicative Disorders and Stroke	8,909,648	86	5,242,256	193	3,667,392	..	...	..	...	..	...
National Institute on Aging	2,775,542	31	2,230,576	26	544,966	..	...	..	...	..	...
National Library of Medicine	1,637,947	10	1,637,947	..	...	..	...	..	...	74	1,595,552

*Supplemental allowances for an award made in a previous year are not included in the count, although dollars are included. Thus, an organization receiving only a supplement will have an entry under dollars but no entry under number.

NOTE 1: One Cooperative Agreement for $800,000 awarded by NIEHS is not shown separately in this table. See Table 7 for details.

NOTE 2: For information as to how this table is structured, see Technical Note, p. vii. Also, for comments on organizations, see Appendix.

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
GRAND TOTAL	1,973	38,865,318	1,733	33,788,240	36	820,581	204	4,256,497
UNITED STATES*	1,919	37,775,753	1,679	32,698,675	36	820,581	204	4,256,497
OTHER COUNTRIES	54	1,089,565	54	1,089,565				
UNITED STATES								
ALABAMA								
AUBURN								
AUBURN UNIVERSITY AT AUBURN	2	31,597			2	31,597		
BIRMINGHAM								
UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA IN BIRMINGHAM	16	347,631	13	278,959		8,800	3	59,872
MOBILE								
UNIVERSITY OF SOUTH ALABAMA		7,000		7,000				
STATE TOTAL	18	386,228	13	285,959	2	40,397	3	59,872
ARIZONA								
PHOENIX								
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES–NIAMDD EPIDEMIOLOGY AND FIELD STUDIES BRANCH		3,085		3,085				
TUCSON								
UNIVERSITY OF ARIZONA	11	227,271	9	183,674			2	43,597
STATE TOTAL	11	230,356	9	186,759			2	43,597
ARKANSAS								
LITTLE ROCK								
UNIVERSITY OF ARKANSAS MEDICAL SCIENCES AT LITTLE ROCK	1	21,236	1	21,236				
STATE TOTAL	1	21,236	1	21,236				

*Includes Puerto Rico.

NOTE 1: Supplements for an award made in a previous year are not included in the count, although dollars are included. Thus, an organization receiving only a supplement will have an entry under dollars but no entry under number.

NOTE 2: For information as to how this table is structured, see Technical Note, p. vii. Also, for comments on organizations, see Appendix.

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
CALIFORNIA								
BERKELEY								
UNIVERSITY OF CALIFORNIA AT BERKELEY	42	801,016	42	801,016				
CLAREMONT								
CLAREMONT UNIVERSITY CENTER SYSTEM--PITZER COLLEGE	1	20,343	1	20,343				
DAVIS								
UNIVERSITY OF CALIFORNIA AT DAVIS	7	150,249	6	121,794			1	28,455
DUARTE								
CITY OF HOPE NATIONAL MEDICAL CENTER	2	39,529	2	39,529				
IRVINE								
UNIVERSITY OF CALIFORNIA AT IRVINE	17	309,494	16	296,962			1	12,532
LA JOLLA								
LA JOLLA CANCER RESEARCH FOUNDATION	2	35,173	2	35,173				
SALK INSTITUTE FOR BIOLOGICAL STUDIES	4	88,147	4	88,147				
SCRIPPS CLINIC AND RESEARCH FOUNDATION	19	394,175	16	327,135	1	27,700	2	39,340
UNIVERSITY OF CALIFORNIA AT SAN DIEGO	46	983,816	35	725,042	1	24,334	10	234,440
LOMA LINDA								
LOMA LINDA UNIVERSITY	1	22,899	1	22,899				
LONG BEACH								
U.S. VETERANS ADMINISTRATION MEDICAL CENTER	1	17,372					1	17,372
LOS ANGELES								
CHILDREN'S HOSPITAL OF LOS ANGELES	1	19,736	1	19,736				
ESTELLE DOHENY EYE FOUNDATION		1,280		1,280				
U.S. VETERANS ADMINISTRATION WADSWORTH MEDICAL CENTER	1	18,985					1	18,985
UNIVERSITY OF CALIFORNIA AT LOS ANGELES	41	785,300	32	620,692			9	164,608
UNIVERSITY OF SOUTHERN CALIFORNIA	6	118,197	5	88,515	1	29,682		
NORTHRIDGE								
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--CALIFORNIA STATE UNIVERSITY AT NORTHRIDGE		564		564				
OAKLAND								
CHILDREN'S HOSPITAL MEDICAL CENTER OF NORTHERN CALIFORNIA	1	17,155	1	17,155				
PALO ALTO								
PALO ALTO MEDICAL RESEARCH FOUNDATION		1,073		1,073				
PASADENA								
CALIFORNIA INSTITUTE OF TECHNOLOGY	29	551,440	26	498,567			3	52,873
RIVERSIDE								
UNIVERSITY OF CALIFORNIA AT RIVERSIDE	1	19,603	1	19,603				
SAN FRANCISCO								
PACIFIC MEDICAL CENTER		270		270				
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO	68	1,296,746	64	1,229,845			4	66,901
SANTA BARBARA								
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA	3	72,396	3	72,396				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
CALIFORNIA—Continued								
SANTA CRUZ								
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ	1	21,152	1	21,152				
STANFORD								
STANFORD UNIVERSITY	47	933,574	44	876,694			3	56,880
TORRANCE								
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT-LOS ANGELES COUNTY HARBOR-UCLA MEDICAL CENTER	3	50,266	3	50,266				
STATE TOTAL	344	6,769,950	306	5,995,848	3	81,716	35	692,386
COLORADO								
BOULDER								
UNIVERSITY OF COLORADO SYSTEM-UNIVERSITY OF COLORADO AT BOULDER	11	217,147	11	217,147				
DENVER								
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER	4	79,973	4	79,973				
UNIVERSITY OF COLORADO SYSTEM-UNIVERSITY OF COLORADO HEALTH SCIENCE CENTER	22	429,774	20	381,304			2	48,470
UNIVERSITY OF DENVER		230		230				
FORT COLLINS								
COLORADO STATE UNIVERSITY	8	141,064	6	107,847			2	33,217
STATE TOTAL	45	868,188	41	786,501			4	81,687
CONNECTICUT								
FARMINGTON								
UNIVERSITY OF CONNECTICUT HEALTH CENTER	10	184,947	9	171,861			1	13,086
NEW HAVEN								
HASKINS LABORATORIES	1	12,260	1	12,260				
JOHN B. PIERCE FOUNDATION OF CONNECTICUT	1	23,946	1	23,946				
YALE UNIVERSITY	61	1,139,727	54	1,047,799	1	14,074	6	77,854
STORRS								
UNIVERSITY OF CONNECTICUT STORRS		5,240		5,240				
STATE TOTAL	73	1,366,120	65	1,261,106	1	14,074	7	90,940
DELAWARE								
NEWARK								
UNIVERSITY OF DELAWARE	1	22,040	1	22,040				
STATE TOTAL	1	22,040	1	22,040				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
DIST OF COL								
WASHINGTON								
AMERICAN NATIONAL RED CROSS	1	11,559					1	11,559
AMERICAN UNIVERSITY	1	18,380	1	18,380				
CATHOLIC UNIVERSITY OF AMERICA	1	7,000			1	7,000		
GALLAUDET COLLEGE	1	22,828	1	22,828				
GEORGETOWN UNIVERSITY	2	38,540	2	38,540				
HOWARD UNIVERSITY	1	37,382			1	37,382		
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--ST. ELIZABETH'S HOSPITAL	1	18,426					1	18,426
STATE TOTAL	8	154,115	4	79,748	2	44,382	2	29,985
FLORIDA								
CORAL GABLES								
UNIVERSITY OF MIAMI	1	17,873	1	17,873				
GAINESVILLE								
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA	10	208,646	9	182,090			1	26,556
MIAMI								
UNIVERSITY OF MIAMI	4	64,462	3	62,271			1	2,191
TALLAHASSEE								
STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA STATE UNIVERSITY	2	33,654	2	33,654				
STATE TOTAL	17	324,635	15	295,888			2	28,747
GEORGIA								
ATHENS								
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA	4	78,219	4	78,219				
ATLANTA								
ATLANTA UNIVERSITY	1	21,059			1	21,059		
EMORY UNIVERSITY	9	172,402	7	139,502			2	32,900
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--CENTER FOR DISEASE CONTROL	2	32,413	1	15,041			1	17,372
UNIVERSITY SYSTEM OF GEORGIA		5,380		5,380				
AUGUSTA								
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA	4	78,849	2	43,794			2	35,055
STATE TOTAL	20	388,322	14	281,936	1	21,059	5	85,327
HAWAII								
HONOLULU								
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA	5	99,418	5	99,418				
STATE TOTAL	5	99,418	5	99,418				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total[1]		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
IDAHO								
MOSCOW								
UNIVERSITY OF IDAHO	1	18,380	1	18,380				
STATE TOTAL	1	18,380	1	18,380				
ILLINOIS								
CHICAGO								
NORTHWESTERN UNIVERSITY	6	114,791	5	102,071			1	12,720
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER--RUSH UNIVERSITY	2	42,388	2	42,388				
UNIVERSITY OF CHICAGO	23	473,482	20	406,497			3	66,985
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER	6	118,185	5	96,756			1	21,429
EVANSTON								
NORTHWESTERN UNIVERSITY	13	241,503	13	241,503				
URBANA								
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	9	152,198	9	152,198				
STATE TOTAL	59	1,142,547	54	1,041,413			5	101,134
INDIANA								
BLOOMINGTON								
INDIANA UNIVERSITY AT BLOOMINGTON	7	126,260	5	78,255	1	20,289	1	27,716
INDIANAPOLIS								
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS	3	67,352	3	67,352				
INDIANAPOLIS CENTER FOR ADVANCED RESEARCH		1,972		1,972				
NOTRE DAME								
UNIVERSITY OF NOTRE DAME	4	76,304	4	76,304				
WEST LAFAYETTE								
PURDUE UNIVERSITY WEST LAFAYETTE	2	45,124	1	17,115			1	28,009
STATE TOTAL	16	317,012	13	240,998	1	20,289	2	55,725
IOWA								
AMES								
IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY	3	43,826	2	38,926			1	4,900
IOWA CITY								
UNIVERSITY OF IOWA	7	142,226	6	124,258			1	17,968
STATE TOTAL	10	186,052	8	163,184			2	22,868
KANSAS								
KANSAS CITY								
UNIVERSITY OF KANSAS COLLEGE OF HEALTH SCIENCES AND HOSPITAL	3	60,103	2	42,303			1	17,800

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
KANSAS—Continued								
LAWRENCE								
UNIVERSITY OF KANSAS LAWRENCE	1	20,699	1	20,699				
MANHATTAN								
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE	1	20,541	1	20,541				
STATE TOTAL	5	101,343	4	83,543			1	17,800
KENTUCKY								
LEXINGTON								
UNIVERSITY OF KENTUCKY	3	56,996	2	36,427			1	20,569
LOUISVILLE								
UNIVERSITY OF LOUISVILLE	1	20,546	1	20,546				
STATE TOTAL	4	77,542	3	56,973			1	20,569
LOUISIANA								
BATON ROUGE								
LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE AT BATON ROUGE	1	20,954			1	20,954		
NEW ORLEANS								
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS	2	41,776	2	41,776				
TULANE UNIVERSITY OF LOUISIANA	2	45,590	1	18,650	1	26,940		
RUSTON								
LOUISIANA TECHNOLOGICAL UNIVERSITY	1	19,736	1	19,736				
STATE TOTAL	6	128,056	4	80,162	2	47,894		
MAINE								
BAR HARBOR								
JACKSON LABORATORY	2	49,040	1	19,040	1	30,000		
SALSBURY COVE								
MOUNT DESERT ISLAND BIOLOGICAL LABORATORY		1,620		1,620				
STATE TOTAL	2	50,660	1	20,660	1	30,000		
MARYLAND								
BALTIMORE								
BALTIMORE CITY HOSPITALS		7,962		7,962				
CARNEGIE INSTITUTION OF WASHINGTON, D. C.	6	101,680	6	101,680				
JOHNS HOPKINS HOSPITAL	1	19,860					1	19,860
JOHNS HOPKINS UNIVERSITY	43	802,846	39	752,621			4	50,225
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES-BALTIMORE CANCER RESEARCH CENTER	1	16,684	1	16,684				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MARYLAND—Continued								
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE	4	78,322	2	35,251	1	25,796	1	17,275
BELTSVILLE								
U.S. DEPARTMENT OF AGRICULTURE--AGRICULTURAL RESEARCH CENTER		1,155						1,155
BETHESDA								
NATIONAL FOUNDATION FOR CANCER RESEARCH	1	13,886	1	13,886				
U.S. DEPARTMENT OF DEFENSE--ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE	1	16,507	1	16,507				
U.S. DEPARTMENT OF DEFENSE--UNIFORMED SERVICES UNIVERSITY OF THE HEALTH SCIENCES		5,189		5,189				
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--NATIONAL INSTITUTES OF HEALTH	103	2,057,857	67	1,026,243	1	29,608	35	1,002,006
CATONSVILLE								
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS	1	25,728					1	25,728
COLLEGE PARK								
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS	2	46,593	1	20,469	1	26,124		
FREDERICK								
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--FREDERICK CANCER RESEARCH CENTER	2	32,452	1	13,380			1	19,072
ROCKVILLE								
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--ALCOHOL, DRUG ABUSE, AND MENTAL HLTH ADMIN	4	52,448	3	36,625			1	15,823
STATE TOTAL	169	3,279,169	122	2,046,497	3	81,528	44	1,151,144
MASSACHUSETTS								
AMHERST								
UNIVERSITY OF MASSACHUSETTS AT AMHERST	2	38,721	2	38,721				
BOSTON								
AFFILIATED HOSPITALS CENTER--BOSTON HOSPITAL FOR WOMEN	1	22,040	1	22,040				
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL	19	378,775	17	341,922			2	36,853
AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL	1	18,380	1	18,380				
BETH ISRAEL HOSPITAL	6	122,556	6	122,556				
BOSTON BIOMEDICAL RESEARCH INSTITUTE	2	37,126	2	37,126				
BOSTON UNIVERSITY	8	179,805	6	126,185	1	24,990	1	28,630
CHILDREN'S HOSPITAL MEDICAL CENTER	12	254,329	12	254,329				
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION	4	77,651	4	77,651				
FORSYTH DENTAL CENTER	1	15,768	1	15,768				
HARVARD UNIVERSITY	55	1,029,137	53	984,812			2	44,325
MASSACHUSETTS EYE AND EAR INFIRMARY	1	22,892	1	22,892				
MASSACHUSETTS GENERAL HOSPITAL	17	368,527	15	328,767			2	39,760
NEW ENGLAND DEACONESS HOSPITAL	1	20,468	1	20,468				
NEW ENGLAND MEDICAL CENTER HOSPITAL	4	84,088	4	84,088				
NORTHEASTERN UNIVERSITY		5,380		5,380				
SIDNEY FARBER CANCER INSTITUTE	22	415,826	21	399,226			1	16,600
ST. ELIZABETH'S HOSPITAL OF BOSTON	1	22,777	1	22,777				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MASSACHUSETTS—Continued								
TUFTS UNIVERSITY	8	144,276	8	144,276				
CAMBRIDGE								
HARVARD UNIVERSITY	36	692,106	35	674,246			1	17,860
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	39	798,580	36	741,527			3	57,053
SHREWSBURY								
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY	2	45,140	1	24,640			1	20,500
WALTHAM								
BRANDEIS UNIVERSITY	9	172,631	7	143,171			2	29,460
EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION	1	17,441	1	17,441				
WOODS HOLE								
MARINE BIOLOGICAL LABORATORY	2	30,728	2	30,728				
WORCESTER								
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER	8	153,137	8	153,137				
STATE TOTAL	262	5,168,285	246	4,852,254	1	24,990	15	291,041
MICHIGAN								
ANN ARBOR								
UNIVERSITY OF MICHIGAN AT ANN ARBOR	24	473,688	22	432,816			2	40,872
DETROIT								
HENRY FORD HOSPITAL	2	42,820	2	42,820				
MICHIGAN CANCER FOUNDATION	2	27,302	1	16,852			1	10,450
WAYNE STATE UNIVERSITY	3	70,660	1	25,159			2	45,501
EAST LANSING								
MICHIGAN STATE UNIVERSITY	11	189,817	9	149,150			2	40,667
ROCHESTER								
OAKLAND UNIVERSITY	1	21,500	1	21,500				
STATE TOTAL	43	825,787	36	688,297			7	137,490
MINNESOTA								
MINNEAPOLIS								
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL	31	628,816	30	607,740			1	21,076
ROCHESTER								
MAYO FOUNDATION	9	139,549	6	92,149			3	47,400
SAINT PAUL								
UNITED HOSPITALS	1	13,945	1	13,945				
STATE TOTAL	41	782,310	37	713,834			4	68,476

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
MISSISSIPPI								
HATTIESBURG								
UNIVERSITY OF SOUTHERN MISSISSIPPI	1	20,100			1	20,100		
JACKSON								
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER	1	25,036	1	25,036				
STATE TOTAL	2	45,136	1	25,036	1	20,100		
MISSOURI								
COLUMBIA								
UNIVERSITY OF MISSOURI-COLUMBIA	10	189,462	9	166,138			1	23,324
SAINT LOUIS								
ST. LOUIS UNIVERSITY	1	16,230	1	16,230				
WASHINGTON UNIVERSITY	28	556,678	26	516,103			2	40,575
STATE TOTAL	39	762,370	36	698,471			3	63,899
NEBRASKA								
BOYS TOWN								
FATHER FLANAGAN'S BOYS' HOME	1	23,367	1	23,367				
LINCOLN								
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN		5,236		5,236				
OMAHA								
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER	1	20,928	1	20,928				
STATE TOTAL	2	49,531	2	49,531				
NEW HAMPSHIRE								
HANOVER								
DARTMOUTH COLLEGE	4	61,939	4	61,939				
STATE TOTAL	4	61,939	4	61,939				
NEW JERSEY								
NEWARK								
RUTGERS THE STATE UNIVERSITY NEWARK		3,098		3,098				
PISCATAWAY								
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--RUTGERS MEDICAL SCHOOL	3	64,802	3	64,802				
PRINCETON								
PRINCETON UNIVERSITY	8	141,848	6	114,464			2	27,384
STATE TOTAL	11	209,748	9	182,364			2	27,384

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
NEW MEXICO								
ALBUQUERQUE								
UNIVERSITY OF NEW MEXICO ALBUQUERQUE	4	79,496	3	59,994	1	19,502		
STATE TOTAL	4	79,496	3	59,994	1	19,502		
NEW YORK								
ALBANY								
NEW YORK STATE DEPARTMENT OF HEALTH	1	18,380	1	18,380				
UNION COLLEGE AND UNIVERSITY--ALBANY MEDICAL COLLEGE		7,633		7,633				
BINGHAMTON								
STATE UNIVERSITY OF NEW YORK AT BINGHAMTON	1	18,380	1	18,380				
BUFFALO								
MEDICAL FOUNDATION OF BUFFALO	1	20,039	1	20,039				
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE	7	137,823	6	117,158			1	20,665
STATE UNIVERSITY OF NEW YORK AT BUFFALO	6	122,150	5	115,351			1	6,799
COLD SPRING HARBOR								
COLD SPRING HARBOR LABORATORY	1	26,170	1	26,170				
ITHACA								
CORNELL UNIVERSITY ITHACA	19	382,538	18	353,817			1	28,721
NEW YORK								
ANIMAL MEDICAL CENTER	1	21,799	1	21,799				
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE	7	137,383	7	137,283				100
COLUMBIA UNIVERSITY	31	584,633	29	545,343			2	39,290
CORNELL UNIVERSITY MEDICAL CENTER	18	364,392	17	346,582			1	17,810
MONTEFIORE HOSPITAL AND MEDICAL CENTER	1	16,851	1	16,851				
MOUNT SINAI MEDICAL CENTER	1	19,040	1	19,040				
NEW YORK CITY HEALTH SERVICES ADMINISTRATION--PUBLIC HEALTH RESEARCH INSTITUTE OF CITY OF N Y	2	44,013	2	44,013				
NEW YORK UNIVERSITY	19	369,951	18	350,321			1	19,630
POPULATION COUNCIL	3	54,959	2	38,144			1	16,815
ROCKEFELLER UNIVERSITY	42	813,356	40	772,771			2	40,585
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH	2	43,908	1	21,408	1	22,500		
ST. LUKE'S-ROOSEVELT HOSPITAL CENTER	1	16,184	1	16,184				
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER	2	47,211	1	19,736			1	27,475
YESHIVA UNIVERSITY	13	270,123	10	210,920			3	59,203
POUGHKEEPSIE								
VASSAR COLLEGE	2	38,266	2	38,266				
ROCHESTER								
EASTMAN DENTAL CENTER	1	18,327	1	18,327				
UNIVERSITY OF ROCHESTER	17	333,569	16	323,769			1	9,800
STONY BROOK								
STATE UNIVERSITY OF NEW YORK AT STONY BROOK	6	121,207	5	102,777			1	18,430
SYRACUSE								
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER	2	40,382	2	40,382				
SYRACUSE UNIVERSITY SYRACUSE		5,380		5,380				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
NEW YORK—Continued								
UPTON								
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY	4	76,170	4	76,170				
VALHALLA								
AMERICAN HEALTH FOUNDATION	1	19,600					1	19,600
NEW YORK MEDICAL COLLEGE	2	40,308	2	40,308				
STATE TOTAL	214	4,230,125	196	3,882,702	1	22,500	17	324,923
NORTH CAROLINA								
CHAPEL HILL								
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES--DIVISION OF HEALTH SERVICES	1	20,672	1	20,672				
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	28	549,330	26	499,501			2	49,829
DURHAM								
DUKE UNIVERSITY	32	675,496	30	625,743	1	30,000	1	19,753
WHITEHEAD MEDICAL RESEARCH INSTITUTE	1	20,006	1	20,006				
GREENVILLE								
UNIVERSITY OF NORTH CAROLINA SYSTEM--EAST CAROLINA UNIVERSITY	1	19,736	1	19,736				
RALEIGH								
UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH	1	20,006	1	20,006				
RESEARCH TRIANGLE PARK								
U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES--NIEHS ENVIRONMENTAL HEALTH SCIENCES CENTER		6,086		6,086				
U.S. ENVIRONMENTAL PROTECTION AGENCY--NATIONAL ENVIRONMENTAL RESEARCH CENTER	1	13,380	1	13,380				
WINSTON-SALEM								
WAKE FOREST UNIVERSITY	2	32,620	2	32,620				
STATE TOTAL	67	1,357,332	63	1,257,750	1	30,000	3	69,582
OHIO								
CINCINNATI								
CHILDREN'S HOSPITAL MEDICAL CENTER	1	16,791	1	16,791				
UNIVERSITY OF CINCINNATI AT CINCINNATI	12	245,130	11	217,290			1	27,840
CLEVELAND								
CASE WESTERN RESERVE UNIVERSITY	10	176,052	7	139,838			3	36,214
UNIVERSITY HOSPITALS OF CLEVELAND	1	22,040	1	22,040				
COLUMBUS								
OHIO STATE UNIVERSITY	4	70,361	4	70,361				
ROOTSTOWN								
NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE	2	34,888	2	34,888				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
OHIO—Continued								
TOLEDO								
MEDICAL COLLEGE OF OHIO AT TOLEDO	2	48,685	1	20,605			1	28,080
STATE TOTAL	32	613,947	27	521,813			5	92,134
OKLAHOMA								
OKLAHOMA CITY								
OKLAHOMA MEDICAL RESEARCH FOUNDATION	1	35,000	1	35,000				
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER	1	19,379	1	19,379				
STATE TOTAL	2	54,379	2	54,379				
OREGON								
CORVALLIS								
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY	7	132,367	6	114,697			1	17,670
EUGENE								
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON	9	178,759	9	178,759				
PORTLAND								
GOOD SAMARITAN HOSPITAL AND MEDICAL CENTER	1	20,357	1	20,357				
MEDICAL RESEARCH FOUNDATION OF OREGON	2	46,378	1	20,000			1	26,378
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER	4	87,489	3	60,203			1	27,286
STATE TOTAL	23	465,350	20	394,016			3	71,334
PENNSYLVANIA								
BETHLEHEM								
LEHIGH UNIVERSITY	1	27,962					1	27,962
HERSHEY								
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER	15	306,302	13	259,660			2	46,642
PHILADELPHIA								
DREXEL UNIVERSITY	1	20,277	1	20,277				
INSTITUTE FOR CANCER RESEARCH	3	61,215	3	60,835				380
LANKENAU HOSPITAL		772		772				
MEDICAL COLLEGE OF PENNSYLVANIA	7	164,828	5	115,151	1	22,000	1	27,677
MONELL CHEMICAL SENSES CENTER	2	40,431	2	40,431				
TEMPLE UNIVERSITY	11	213,409	11	213,409				
THOMAS JEFFERSON UNIVERSITY	1	18,380	1	18,380				
UNIVERSITY OF PENNSYLVANIA	40	779,700	31	580,607	2	50,702	7	148,391
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY	3	53,678	2	35,113			1	18,565
PITTSBURGH								
CARNEGIE-MELLON UNIVERSITY	3	41,157	3	41,157				
EYE AND EAR HOSPITAL OF PITTSBURGH		2,760		2,760				
UNIVERSITY OF PITTSBURGH	5	97,483	5	97,483				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
PENNSYLVANIA—Continued								
UNIVERSITY PARK								
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK	4	78,902	4	78,902				
STATE TOTAL	96	1,907,256	81	1,564,937	3	72,702	12	269,617
RHODE ISLAND								
PROVIDENCE								
BROWN UNIVERSITY	3	77,743	2	50,276			1	27,467
STATE TOTAL	3	77,743	2	50,276			1	27,467
SOUTH CAROLINA								
CHARLESTON								
MEDICAL UNIVERSITY OF SOUTH CAROLINA	2	32,595	2	32,595				
COLUMBIA								
UNIVERSITY OF SOUTH CAROLINA AT COLUMBIA	1	31,098		3,098	1	28,000		
STATE TOTAL	3	63,693	2	35,693	1	28,000		
TENNESSEE								
KNOXVILLE								
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE	2	42,740	2	42,740				
MEMPHIS								
ST JUDE CHILDREN'S RESEARCH HOSPITAL	1	14,918	1	14,918				
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES	4	86,931	3	65,431	1	21,500		
NASHVILLE								
MEHARRY MEDICAL COLLEGE	1	19,928			1	19,928		
VANDERBILT UNIVERSITY	12	227,727	7	137,132			5	90,595
OAK RIDGE								
UNION CARBIDE CORPORATION--OAK RIDGE NATIONAL LABORATORY	1	14,785	1	14,785				
STATE TOTAL	21	407,029	14	275,006	2	41,428	5	90,595
TEXAS								
AUSTIN								
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN	3	59,079	3	59,079				
COLLEGE STATION								
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS A & M UNIVERSITY	1	19,386	1	19,386				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
TEXAS—Continued								
DALLAS								
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS	11	208.925	11	208.925				
DENTON								
NORTH TEXAS STATE UNIVERSITY	1	15.673	1	15.673				
GALVESTON								
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	7	138.771	6	120.923			1	17.848
HOUSTON								
BAYLOR COLLEGE OF MEDICINE	26	488.946	25	481.396			1	7.550
UNIVERSITY OF HOUSTON SYSTEM--UNIVERSITY OF HOUSTON AT HOUSTON	1	21.080	1	21.080				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	8	150.787	7	129.540	1	21.247		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER	3	60.472	3	60.472				
LUBBOCK								
TEXAS TECH UNIVERSITY	1	21.236	1	21.236				
SAN ANTONIO								
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	3	83.944	3	83.944				
STATE TOTAL	65	1,268.299	62	1,221.654	1	21.247	2	25.398
UTAH								
SALT LAKE CITY								
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH	8	159.158	8	159.158				
STATE TOTAL	8	159.158	8	159.158				
VERMONT								
BURLINGTON								
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE	5	101.122	5	100.822				300
STATE TOTAL	5	101.122	5	100.822				300
VIRGINIA								
BLACKSBURG								
VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	1	19.885	1	19.885				
CHARLOTTESVILLE								
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE	28	560.460	25	502.220			3	58.240
RICHMOND								
VIRGINIA COMMONWEALTH UNIVERSITY	4	65.195	4	65.195				
STATE TOTAL	33	645.540	30	587.300			3	58.240

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
WASHINGTON								
SEATTLE								
FRED HUTCHINSON CANCER RESEARCH CENTER	6	125,823	5	108,023			1	17,800
UNIVERSITY OF WASHINGTON	56	1,132,518	55	1,112,918			1	19,600
VIRGINIA MASON RESEARCH CENTER	1	22,158	1	22,158				
STATE TOTAL	63	1,280,499	61	1,243,099			2	37,400
WEST VIRGINIA								
MORGANTOWN								
WEST VIRGINIA UNIVERSITY	3	62,615	2	39,508			1	23,107
STATE TOTAL	3	62,615	2	39,508			1	23,107
WISCONSIN								
MADISON								
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON	45	897,037	42	828,636			3	68,401
MILWAUKEE								
BLOOD CENTER OF SOUTHEASTERN WISCONSIN	1	19,736	1	19,736				
MEDICAL COLLEGE OF WISCONSIN	4	90,149	3	62,221			1	27,928
STATE TOTAL	50	1,006,922	46	910,593			4	96,329
PUERTO RICO								
SAN JUAN								
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES	4	81,361			4	81,361		
UNIVERSITY OF PUERTO RICO RIO PIEDRAS	4	77,412			4	77,412		
STATE TOTAL	8	158,773			8	158,773		
OTHER COUNTRIES								
AUSTRALIA								
CANBERRA								
AUSTRALIAN NATIONAL UNIVERSITY		739		739				
KENSINGTON								
UNIVERSITY OF NEW SOUTH WALES		5,380		5,380				
COUNTRY TOTAL		6,119		6,119				
BELGIUM								
LIEGE								
UNIVERSITY OF LIEGE		578		578				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
BELGIUM—Continued								
LOUVAIN-LA-NEUVE								
CATHOLIC UNIVERSITY OF LOUVAIN	1	15,968	1	15,968				
COUNTRY TOTAL	1	16,546	1	16,546				
CANADA								
CALGARY								
UNIVERSITY OF CALGARY	3	60,132	3	60,132				
HALIFAX								
DALHOUSIE UNIVERSITY	1	26,760	1	26,760				
LONDON								
UNIVERSITY OF WESTERN ONTARIO	1	19,040	1	19,040				
MONTREAL								
JEWISH GENERAL HOSPITAL		748		748				
MC GILL UNIVERSITY		698		698				
TORONTO								
HOSPITAL FOR SICK CHILDREN	1	18,048	1	18,048				
UNIVERSITY OF TORONTO	2	34,085	2	34,085				
VANCOUVER								
UNIVERSITY OF BRITISH COLUMBIA	1	23,760	1	23,760				
COUNTRY TOTAL	9	183,271	9	183,271				
DENMARK								
AARHUS								
UNIVERSITY OF AARHUS		1,812		1,812				
COUNTRY TOTAL		1,812		1,812				
FRANCE								
GIF-SUR-YVETTE								
NATIONAL CENTER FOR SCIENTIFIC RESEARCH--GIF-SUR-YVETTE LABORATORIES	1	14,917	1	14,917				
PARIS								
LARIBOISIERE HOSPITAL		43		43				
NATIONAL INSTITUTE OF HEALTH AND MEDICAL RESEARCH		5,054		5,054				
PASTEUR INSTITUTE	3	64,561	3	64,561				
VERSAILLES								
NATIONAL AGRONOMY RESEARCH CENTER	1	22,858	1	22,858				
COUNTRY TOTAL	5	107,433	5	107,433				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
GERMANY FED R								
DUSSELDORF								
UNIVERSITY OF DUSSELDORF		1,850		1,850				
GIESSEN								
JUSTUS LIEBIG UNIVERSITY OF GIESSEN		5,240		5,240				
HEIDELBERG								
EUROPEAN MOLECULAR BIOLOGY ORGANIZATION	1	14,594	1	14,594				
RUPERT CHARLES UNIVERSITY OF HEIDELBERG	1	18,968	1	18,968				
MUNICH								
LUDWIG MAXIMILIAN UNIVERSITY OF MUNICH		1,765		1,765				
MAX PLANCK SOCIETY FOR THE ADVANCEMENT OF SCIENCE--INSTITUTE FOR BIOCHEMISTRY	1	19,736	1	19,736				
TUBINGEN								
MAX PLANCK SOCIETY FOR THE ADVANCEMENT OF SCIENCE--INSTITUTE FOR BIOLOGY		535		535				
COUNTRY TOTAL	3	62,688	3	62,688				
ISRAEL								
JERUSALEM								
HEBREW UNIVERSITY OF JERUSALEM	1	18,521	1	18,521				
REHOVOT								
WEIZMANN INSTITUTE OF SCIENCE	1	20,768	1	20,768				
TEL AVIV								
TEL AVIV UNIVERSITY	2	37,747	2	37,747				
COUNTRY TOTAL	4	77,036	4	77,036				
JAPAN								
OKAZAKI								
NATIONAL INSTITUTE FOR PHYSIOLOGICAL SCIENCES	1	18,380	1	18,380				
TOKYO								
UNIVERSITY OF TOKYO		4,974		4,974				
COUNTRY TOTAL	1	23,354	1	23,354				
NETHERLANDS								
GRONINGEN								
STATE UNIVERSITY AT GRONINGEN		428		428				
RIJSWIJK								
NETHERLANDS CENTRAL ORGANIZATION TNO		540		540				
UTRECHT								
STATE UNIVERSITY OF UTRECHT	1	12,379	1	12,379				
COUNTRY TOTAL	1	13,347	1	13,347				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
NORWAY								
OSLO								
UNIVERSITY OF OSLO	1	16,105	1	16,105				
COUNTRY TOTAL	1	16,105	1	16,105				
SWEDEN								
LUND								
UNIVERSITY OF LUND	2	34,475	2	34,475				
STOCKHOLM								
CAROLINE INSTITUTE	1	28,931	1	28,931				
COUNTRY TOTAL	3	63,406	3	63,406				
SWITZERLAND								
GENEVA								
UNIVERSITY OF GENEVA	3	56,617	3	56,617				
ZURICH								
UNIVERSITY OF ZURICH		2,430		2,430				
COUNTRY TOTAL	3	59,047	3	59,047				
UNITED KINGDOM								
BRIGHTON								
UNIVERSITY OF SUSSEX	1	16,777	1	16,777				
BUCKSBURN								
ROWETT RESEARCH INSTITUTE	1	14,462	1	14,462				
CAMBRIDGE								
MEDICAL RESEARCH COUNCIL	5	96,801	5	96,801				
UNIVERSITY OF CAMBRIDGE	4	74,679	4	74,679				
DUNDEE								
UNIVERSITY OF DUNDEE		8,380		8,380				
EDINBURGH								
UNIVERSITY OF EDINBURGH	1	14,917	1	14,917				
GLASGOW								
UNIVERSITY OF GLASGOW	1	16,131	1	16,131				
LEEDS								
UNIVERSITY OF LEEDS	1	18,944	1	18,944				
LONDON								
IMPERIAL CANCER RESEARCH FUND	3	51,112	3	51,112				
MEDICAL RESEARCH COUNCIL	1	21,746	1	21,746				
ROYAL COLLEGE OF SURGEONS OF ENGLAND		4,936		4,936				
UNIVERSITY OF LONDON	1	33,645	1	33,645				

Table 2.—Summary of NIH Fellowships by Area, Organization, and Activity, Fiscal Year 1980—Continued

Area and organization	Total		Postdoctoral indiv. nat'l res. serv. awards		Minority fellowship awards		International fellowship awards	
	No.	Dollars	No.	Dollars	No.	Dollars	No.	Dollars
UNITED KINGDOM—Continued								
OXFORD								
UNIVERSITY OF OXFORD	4	78,491	4	78,491				
PLYMOUTH								
MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM		8,380		8,380				
COUNTRY TOTAL	23	459,401	23	459,401				

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980

Program director	General area of training	Grant number	Dollars
TOTAL, 1,515 GRANTS			143,885,160
ALABAMA			
AUBURN			
AUBURN UNIVERSITY AT AUBURN ZIP CODE 36830			
BAILEY, WILFORD S	VETERINARY AND COMPARATIVE PATHOLOGY	1T15 CA09407-01	134,175
ORGANIZATION TOTAL 1	134,175		
BIRMINGHAM			
MILES COLLEGE ZIP CODE 35208			
MC PHERSON, JONATHAN	GENERAL MEDICINE AND BIOLOGICAL SCIENCES	5T32 GM07726-02	67,238
ORGANIZATION TOTAL 1	67,238		
UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA IN BIRMINGHAM ZIP CODE 35294			
ACTON, RONALD T	TUMOR BIOLOGY–MULTIDISCIPLINARY	5T32 CA09128-04	257,395
ALFORD, CHARLES A, JR	SHORT-TERM RESEARCH TRAINING	1T35 HL07473-01	43,146
COMPANS, RICHARD W	VIRAL ONCOLOGY	5T32 CA09202-03	125,724
COMPANS, RICHARD W	BASIC MECHANISMS IN VIROLOGY	5T32 AI07150-03	86,480
CONRAD, MARCEL E	CLINICAL AND BASIC STUDIES OF ONCOLOGIC DISORDERS	5T32 CA09293-03	64,538
CURTISS, ROY, III	INFECTIOUS DISEASES	5T32 AI07041-05	135,365
CURTISS, ROY, III	MOLECULAR, CELLULAR AND MEDICAL GENETICS	2T32 GM07090-06	86,772
DUSTAN, HARRIET P	MECHANISMS OF HYPERTENSION	1T32 HL07457-01	141,251
HALSEY, JAMES H, JR	CEREBROVASCULAR DISEASE	5T32 NS07123-03	70,755
HIRAMOTO, RAYMOND N	MOLECULAR AND CELLULAR AGING	5T32 AG00042-04	86,939
HURST, DAVID C	COMPUTER APPLICATIONS FOR HEALTH PROFESSIONALS	5T15 LM07015-04	168,914
JAMES, THOMAS N	CARDIOLOGY	5T32 HL07327-03	151,867
LINDSEY, J RUSSELL	LABORATORY ANIMAL MEDICINE/COMPARATIVE PATHOLOGY	5T32 RR07003-04	71,259
NAVAR, LUIS G	MINORITY HYPERTENSION	5T35 HL07395-03	60,417
NAVIA, JUAN M	NUTRITION AND ORAL HEALTH	2T32 DE07020-06	99,747
RETIEF, HUGO	CARIES RESEARCH	5T32 DE07026-04	137,260
RODEN, LEONART	BIOCHEMISTRY AND IMMUNOLOGY OF JOINTS, BONE AND SKIN	5T32 AM07069-06	16,910
VOLANAKIS, JOHN E	ALLERGIC AND IMMUNOLOGIC DISEASES AND BASIC IMMUNITY	5T32 AI07051-05	128,108
WILSON, GRAEME S	VISUAL SCIENCES	5T32 EY07033-05	70,803
ORGANIZATION TOTAL 19	2,003,650		
TALLADEGA			
TALLADEGA COLLEGE ZIP CODE 35160			
BACON, ARTHUR L	BIOMEDICAL SCIENCES	5T32 GM07660-04	84,017
ORGANIZATION TOTAL 1	84,017		

NOTE: Grants are listed according to the State or Country and City of the component part of the organization professionally responsible for the work (see Technical Note, p. vii). If an organization appears in more than one geographic location or requires a clarifying comment, appropriate annotations have been made in the Appendix.

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
ALABAMA—Continued			
TUSKEGEE INSTITUTE			
TUSKEGEE INSTITUTE ZIP CODE 36088			
THOMAS, JULIAN E	CAREER ACCESS TO RESEARCH VOCATIONS	1T32 GM07691-01A2	105,208
ORGANIZATION TOTAL	1 105,208		
STATE TOTAL	23 2,394,288		
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA ZIP CODE 85721			
BRESSLER, RUBIN	CLINICAL PHARMACOLOGY	5T32 GM07533-04	70,097
CLAYTON, JOHN W, JR	ENVIRONMENTAL TOXICOLOGY	5T32 ES07091-02	106,352
GERNER, EUGENE W	CANCER BIOLOGY	5T32 CA09213-03	105,475
JOHNSON, PAUL C	PHYSIOLOGY	3T32 HL07249-03S1	6,071
JOHNSON, PAUL C	PHYSIOLOGY	5T32 HL07249-04	125,773
KNUDSON, RONALD J	RESPIRATORY DISEASES	5T32 HL07243-04	93,722
ORGANIZATION TOTAL	6 507,490		
STATE TOTAL	6 507,490		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY ZIP CODE 94720			
BUDINGER, THOMAS F	QUANTITATIVE CARDIOVASCULAR RESEARCH	3T32 HL07367-02S1	691
BUDINGER, THOMAS F	QUANTITATIVE CARDIOVASCULAR RESEARCH	5T32 HL07367-03	98,465
CARPENTER, KENNETH J	NUTRITIONAL SCIENCES	5T32 AM07291-03	79,611
EBBE, SHIRLEY N	HEMOPOIETIC CELLULAR PROLIFERATION AND ITS REGULATION	5T32 AM07349-02	92,284
ENOCH, JAY M	VISUAL SCIENCES--CLINICAL	3T32 EY07076-01S1	28,901
FORTE, GERTRUDE M	LIPOPROTEIN METHODOLOGY, STRUCTURE AND FUNCTION	3T32 HL07279-03S1	7,636
FORTE, GERTRUDE M	LIPOPROTEIN METHODOLOGY, STRUCTURE AND FUNCTION	5T32 HL07279-04	71,425
FRISTROM, JAMES W	GENETICS	2T32 GM07127-06	155,421
GRAY, JOE W	CELL CYCLE ANALYSIS: NORMAL AND MALIGNANT CELLS	5T32 CA09133-05	19,662
LANGER, JONAS	DEVELOPMENTAL PSYCHOLOGY	5T32 HD07181-02	100,453
LINN, STUART M	ENVIRONMENTAL MUTAGENS AND CARCINOGENS	5T32 ES07075-03	129,409
MARGEN, SHELDON	HUMAN NUTRITION	5T32 AM07155-04	48,025
MEL, HOWARD C	SYSTEMS AND INTEGRATIVE BIOLOGY	5T32 GM07379-04	363,251
MISHELL, ROBERT I	IMMUNOLOGY	3T32 CA09179-05S1	91,868
MISHELL, ROBERT I	IMMUNOLOGY	2T32 CA09179-06A1	164,050
MORTIMER, ROBERT K	RADIATION BIOPHYSICS	5T32 CA09272-05	90,080
NANDI, SATYABRATA	EXPERIMENTAL BIOLOGY OF CANCER AND ALLIED AREAS	2T32 CA09041-06	211,660
STARK, LAWRENCE	PHYSIOLOGICAL OPTICS	5T32 EY07043-04	54,649
STENT, GUNTHER S	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07232-04	386,896
SYME, S LEONARD	BEHAVIORAL FACTORS IN CARDIOVASCULAR DISEASE ETIOLOGY	5T32 HL07365-03	115,908
WERBLIN, FRANK S	NEUROBIOLOGY	2T32 GM07048-06	94,592
WINKELSTEIN, WARREN, JR	CANCER EPIDEMIOLOGY	5T32 CA09348-02	92,580
ORGANIZATION TOTAL	22 2,497,517		
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS ZIP CODE 95616			
BLAISDELL, F WILLIAM	TRAUMATOLOGY	1T32 GM07860-01	46,526
CROSS, CARROLL E	PULMONARY DISEASES--INTERDISCIPLINARY	2T32 HL07013-06	97,305

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
DUNGWORTH, DONALD L	VETERINARY PATHOLOGY	1T15 CA09396-01	116,707
DUNGWORTH, DONALD L	ENVIRONMENTAL PATHOLOGY	5T32 ES07055-04	132,429
ENDERS, ALLEN C	REPRODUCTIVE BIOLOGY	5T32 HD07131-03	28,675
HANSCHE, PAUL	GENETICS	5T32 GM07467-04	138,552
PREISS, JACK	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07377-04	176,505
RENKIN, EUGENE M	INTEGRATIVE FUNCTIONS OF HIGHER ORGANISMS	5T32 GM07416-04	124,832
SEIBER, JAMES N	ENVIRONMENTAL TOXICOLOGY	5T32 ES07059-03	128,083
STERN, JUDITH S	FOOD INTAKE CONTROL--FOCUS ON NUTRITION & BEHAVIOR	5T32 AM07355-02	134,445
ORGANIZATION TOTAL	10 1,124,059		
DUARTE			
CITY OF HOPE NATIONAL MEDICAL CENTER ZIP CODE 91010			
PAPPAPORT, HENRY	NEOPLASTIC HEMATOPATHOLOGY	5T32 CA09308-03	50,793
ORGANIZATION TOTAL	1 50,793		
IRVINE			
UNIVERSITY OF CALIFORNIA AT IRVINE ZIP CODE 92717			
BRYANT, SUSAN V	DEVELOPMENTAL MECHANISMS UNDERLYING CONGENITAL DEFECTS	5T32 HD07029-06	94,465
GRANGER, GALE A	CARCINOGENESIS	2T32 CA09054-06	150,138
SYPHERD, PAUL S	REGULATION OF BIOLOGICAL PROCESSES	2T32 GM07134-06	106,854
WARNER, ROBERT C	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07311-06	69,162
ORGANIZATION TOTAL	4 420,619		
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES ZIP CODE 92037			
COHN, MELVIN	ONCOLOGY RESEARCH	5T32 CA09254-05	90,633
ECKHART, WALTER	CELL REGULATION, DIFFERENTIATION AND CANCER	1T32 CA09370-01	65,341
ORGANIZATION TOTAL	2 155,974		
SCRIPPS CLINIC AND RESEARCH FOUNDATION ZIP CODE 92037			
BEUTLER, ERNEST	INVESTIGATIVE HEMATOLOGY	5T32 AM07022-02	47,492
DIXON, FRANK J	IMMUNOPATHOLOGY	5T32 GM07437-04	155,615
FELDMAN, JOSEPH D	PATHOGENESIS AND IMMUNOLOGY OF DISEASE	5T32 AI07104-04	79,631
HUENNEKENS, FRANK M	BIOCHEMISTRY	5T32 AM07097-06	39,729
KATZ, DAVID H	IMMUNOLOGIC ASPECTS OF AGING	1T32 AG00080-01	69,024
KATZ, DAVID H	CELLULAR AND CANCER IMMUNOLOGY	5T32 AI07065-04	139,066
MULLER-EBERHARD, HANS J	BLOOD SYSTEMS IN COAGULATION AND VESSEL DISEASE	5T32 HL07195-05	106,728
VAUGHAN, JOHN H	IMMUNOLOGY IN RHEUMATIC DISEASES	5T32 AM07144-06	26,579
VAUGHAN, JOHN H	CLINICAL IMMUNOLOGY	2T32 AM07144-07	89,254
ORGANIZATION TOTAL	9 753,118		
UNIVERSITY OF CALIFORNIA AT SAN DIEGO ZIP CODE 92093			
BERNSTEIN, EUGENE F	CARDIOVASCULAR SURGERY AND BIOENGINEERING	2T32 HL07089-06	149,953
BLOOR, COLIN M	MULTIDISCIPLINARY RESPIRATORY DISEASES	3T32 HL07104-05S1	27,000
BLOOR, COLIN M	MULTIDISCIPLINARY RESPIRATORY DISEASES	2T32 HL07104-06	52,358
BRAUDE, ABRAHAM I	RESEARCH IN INFECTIOUS DISEASES	5T32 AI07036-05	80,260
COVELL, JAMES W	CARDIOVASCULAR PHYSIOLOGY AND PHARMACOLOGY	5T32 HL07444-02	189,939
DEFTOS, LEONARD J	DISEASES OF BONE AND CALCIUM METABOLISM	5T32 AM07048-06	24,515
DEFTOS, LEONARD J	DISEASES OF BONE AND CALCIUM METABOLISM	2T32 AM07048-07	45,507
DUTTON, RICHARD W	REGULATORY MECHANISMS IN THE IMMUNE RESPONSE	2T32 CA09174-06	173,413
FANESTIL, DARRELL D	HYPERTENSION	5T32 HL07261-04	127,714
FANESTIL, DARRELL D	ACADEMIC NEPHROLOGY	5T32 AM07249-03	42,424
GEIDUSCHEK, E PETER	CELL AND MOLECULAR BIOLOGY	2T32 GM07313-06	290,317
GILL, GORDON N	EXPERIMENTAL ENDOCRINOLOGY AND METABOLISM	5T32 AM07044-03	62,451
GOULIAN, MEHRAN	HEMATOLOGY	3T32 HL07107-05S1	5,818
GOULIAN, MEHRAN	BLOOD AND BLOOD DISEASES	2T32 HL07107-06	73,030
HIGGINS, CHARLES B	CARDIOVASCULAR RADIOLOGY	3T32 HL07447-01S1	8,757
HOFMANN, ALAN F	GASTROENTEROLOGY	5T32 AM07202-05	30,926

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
LAMPERT, PETER W	PATHOGENESIS OF VIRUS INDUCED BRAIN DISEASE	2T32 NS07078-04	91,746
LINDSLEY, DAN L, JR	GENETIC MECHANISMS AND REGULATION	2T32 GM07240-06	206,409
MAYER, STEVEN E	PHARMACOLOGY	5T32 GM07752-02	110,930
MENDELSOHN, JOHN	CANCER RESEARCH	5T32 CA09290-03	204,955
MOSER, KENNETH M	PULMONARY MEDICINE	2T32 HL07022-06	122,323
NESBITT, MURIEL N	BASIC AND MEDICAL GENETICS	2T32 GM07199-06	111,027
SATO, GORDON H	BASIC BIOCHEMICAL AND BIOLOGICAL MECHANISMS IN CANCER	5T32 CA09345-02	151,272
SEEGMILLER, JARVIS E	GENETIC CONTROL OF HUMAN METABOLISM	5T32 AM07318-03	72,737
STEINBERG, DANIEL	LIPIDS, LIPOPROTEINS AND ATHEROSCLEROSIS	3T32 HL07276-03S1	5,703
STEINBERG, DANIEL	LIPIDS, LIPOPROTEINS AND ATHEROSCLEROSIS	5T32 HL07276-04	114,926
TRAYLOR, TEDDY G	HEMOGLOBIN AND BLOOD PROTEIN CHEMISTRY	5T32 AM07233-05	98,357
WAHRENBROCK, ERIC A	SHORT-TERM RESEARCH TRAINING	1T35 HL07491-01	43,325
WAHRENBROCK, ERIC A	MEDICAL SCIENTIST	2T32 GM07198-06	270,486
WEST, JOHN B	PHYSIOLOGICAL BASIS OF PULMONARY DISEASE	5T32 HL07212-05	132,186
YEN, SAMUEL S	NEUROENDOCRINE CONTROL OF CNS-PITUITARY-GONAD SYSTEM	3T32 HD07203-01S2	2,117
ZVAIFLER, NATHAN J	RHEUMATIC DISEASES	2T32 AM07062-06	68,032
ORGANIZATION TOTAL	32 3,190,913		
LOMA LINDA			
LOMA LINDA UNIVERSITY ZIP CODE 92354			
KUZMA, JAN W	CANCER EPIDEMIOLOGY	5T32 CA09175-05	30,020
LONGO, LAWRENCE D	PERINATAL BIOLOGY	1T32 HD07215-01	48,590
ORGANIZATION TOTAL	2 78,610		
LOS ANGELES			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM—CALIFORNIA STATE UNIVERSITY AT LOS ANGELES ZIP CODE 90032			
GUTIERREZ, CARLOS G	BIOMEDICAL SCIENCES	5T32 GM07646-03	80,148
ORGANIZATION TOTAL	1 80,148		
CEDARS-SINAI MEDICAL CENTER ZIP CODE 90048			
SWAN, HAROLD J	FUNCTIONAL AND METABOLIC EFFECTS OF CARDIAC ISCHEMIA	3T32 HL07380-02S1	3,494
SWAN, HAROLD J	FUNCTIONAL AND METABOLIC EFFECTS OF CARDIAC ISCHEMIA	5T32 HL07380-03	100,736
ORGANIZATION TOTAL	2 104,230		
CHILDREN'S HOSPITAL OF LOS ANGELES ZIP CODE 90027			
HANSON, VIRGIL	PEDIATRIC RHEUMATOLOGY	5T32 AM07262-04	22,419
ORGANIZATION TOTAL	1 22,419		
UNIVERSITY OF CALIFORNIA AT LOS ANGELES ZIP CODE 90024			
ALFIN-SLATER, ROSLYN B	EXPERIMENTAL AND CLINICAL NUTRITION	5T32 AM07154-03	51,770
AMSTUTZ, HARLAN C	BASIC AND CLINICAL RESEARCH IN JOINT REPLACEMENTS	5T32 AM07207-03	65,760
BRICKER, NEAL S	SHORT-TERM RESEARCH TRAINING	1T35 HL07505-01	69,466
BROWN, JOSIAH	ENDOCRINOLOGY AND METABOLISM	5T32 AM07094-06	58,054
BUCHWALD, NATHANIEL A	MENTAL RETARDATION	5T32 HD07032-04	188,395
CLINE, MARTIN J	ACADEMIC MEDICAL ONCOLOGY	5T32 CA09297-02	94,332
CLINE, MARTIN J	HEMATOLOGY	5T32 AM07285-03	93,426
COBURN, JACK W	NEPHROLOGY	3T32 AM07270-01A1S1	432
COBURN, JACK W	NEPHROLOGY	5T32 AM07270-02	71,785
DETELS, ROGER	CANCER EPIDEMIOLOGY	2T32 CA09142-06	115,948
DETELS, ROGER	ENVIRONMENTAL EPIDEMIOLOGY AND STATISTICS	5T32 ES07050-03	80,698
DETELS, ROGER	NEUROEPIDEMIOLOGY	3T32 NS07145-01S1	275
DETELS, ROGER	NEUROEPIDEMIOLOGY	5T32 NS07145-02	60,606
EISERLING, FREDERICK A	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07185-06	320,805
FAHEY, JOHN L	TUMOR IMMUNOLOGY	2T32 CA09120-06	281,098
FAHEY, JOHN L	CLINICAL AND FUNDAMENTAL IMMUNOLOGY	5T32 AI07126-04	119,741
FOX, C FRED	TUMOR CELL BIOLOGY	2T32 CA09056-06	154,052
FOX, C FRED	PATHOPHYSIOLOGY OF NEOPLASIA	2T14 CA09353-02	66,726
GORSKI, ROGER A	SYSTEMS AND INTEGRATIVE PHYSIOLOGICAL SCIENCES	2T32 GM07191-06	54,612
GREENFIELD, MOSES A	MEDICAL PHYSICS	3T32 CA09092-05S1	46,734

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
GRINNELL, ALAN D	CELLULAR NEUROBIOLOGY	5T32 NS07101-03	83,860
GROSSMAN, MORTON I	GASTROENTEROLOGY	5T32 AM07180-05	56,365
HALL, MICHAEL O	VISION RESEARCH	2T32 EY07026-06	84,594
HONRUBIA, VICENTE	DEVELOPMENTAL NEUROLOGY	5T32 NS07059-05	48,082
MARTINEZ, RAFAEL J	BIOCHEMISTRY OF HOST-PARASITE INTERACTIONS	5T32 AI07116-03	77,369
MORTON, DONALD L	SURGICAL ONCOLOGY	5T32 CA09010-06	138,711
NIERLICH, DONALD P	GENETIC MECHANISMS	2T32 GM07104-06	157,875
SCHUMAKER, VERNE N	ATHEROSCLEROSIS RESEARCH	3T32 HL07386-02S1	8,286
SCHUMAKER, VERNE N	ATHEROSCLEROSIS RESEARCH	5T32 HL07386-03	236,488
SHINE, KENNETH I	PATHOPHYSIOLOGY OF MYOCARDIAL DISEASE	5T32 HL07412-02	147,635
SIMMONS, DANIEL H	RESPIRATORY DISEASE--BASIC AND CLINICAL RESEARCH	3T32 HL07014-04S1	3,110
SIMMONS, DANIEL H	RESPIRATORY DISEASE--BASIC AND CLINICAL RESEARCH	5T32 HL07014-05	151,732
SIMMONS, DANIEL H	PULMONARY MEDICINE	5T17 HL07139-06	37,800
VAN LANCKER, JULIEN L	MECHANISMS OF CARCINOGENESIS	3T32 CA09030-05S1	183,364
ORGANIZATION TOTAL	34 3,409,986		
UNIVERSITY OF SOUTHERN CALIFORNIA ZIP CODE 90007			
BESSMAN, SAMUEL P	CARDIAC NUTRITION AND PHARMACOLOGY	3T32 HL07402-02S1	3,171
BESSMAN, SAMUEL P	CARDIAC NUTRITION AND PHARMACOLOGY	5T32 HL07402-03	76,951
GORDON, IRVING	VIROLOGY AND IMMUNOLOGY: MECHANISMS BASIC TO DISEASE	5T32 AI07078-03	80,492
GRODINS, FRED S	CARDIOPULMONARY BIOMEDICAL ENGINEERING	2T32 HL07012-06	55,065
HEIDELBERGER, CHARLES D	VIRAL AND CHEMICAL CARCINOGENESIS	5T32 CA09320-02	69,376
HORTON, RICHARD	ENDOCRINE HYPERTENSION AND ENDOCRINOLOGY--METABOLISM	5T32 AM07119-06	24,682
HORTON, RICHARD	ENDOCRINE HYPERTENSION AND ENDOCRINOLOGY--METABOLISM	2T32 AM07119-07	72,684
PAUL, RICHARD H	MATERNAL-FETAL MEDICINE	5T32 HD07086-05	93,766
SCHAIE, K WARNER	GERONTOLOGY	5T32 AG00037-04	84,596
SLAVKIN, HAROLD C	CRANIOFACIAL BIOLOGY	2T32 DE07006-06	202,187
VAN ARSDOL, MAURICE D, JR	THE DEMOGRAPHY OF AGING	5T32 AG00072-02	48,767
WARNER, NANCY E	SHORT-TERM RESEARCH TRAINING	1T35 HL07494-01	26,049
WEINER, LESLIE P	NEUROPATHOLOGY	5T32 NS07149-02	91,096
ORGANIZATION TOTAL	13 928,882		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY ZIP CODE 91125			
BROKAW, CHARLES J	BIOLOGY AND CHEMISTRY	5T32 GM07616-03	506,377
HOROWITZ, NORMAN H	GENETICS	5T32 GM07401-04	120,739
KONISHI, MASAKAZU	BIOLOGY AND ENGINEERING	5T32 GM07737-02	195,059
ORGANIZATION TOTAL	3 822,175		
RIVERSIDE			
UNIVERSITY OF CALIFORNIA AT RIVERSIDE ZIP CODE 92521			
NORMAN, ANTHONY W	CELLULAR & MOLECULAR ENDOCRINOLOGY	5T32 AM07310-02	155,793
ORGANIZATION TOTAL	1 155,793		
SAN FRANCISCO			
AMERICAN ACADEMY OF OPHTHALMOLOGY ZIP CODE 94120			
ZIMMERMAN, LORENZ E	OPHTHALMIC PATHOLOGY	5T32 EY07040-04	11,581
ORGANIZATION TOTAL	1 11,581		
INSTITUTES OF MEDICAL SCIENCES ZIP CODE 94115			
SCOTT, ALAN B	EYE MOVEMENT DISORDERS	3T32 EY07027-05S1	17,801
ORGANIZATION TOTAL	1 17,801		
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO ZIP CODE 94143			
BARINGER, J RICHARD	NEUROVIROLOGY	3T32 NS07073-04S1	1,270
BARINGER, J RICHARD	NEUROVIROLOGY	5T32 NS07073-05	39,583
BISHOP, J MICHAEL	THE MOLECULAR ANALYSIS OF TUMOR VIRUSES	2T32 CA09043-06	314,032
BLOIS, MARSDEN S, JR	MEDICAL INFORMATION SCIENCES	5T15 LM07000-06	190,408

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
BOURNE, HENRY R	CLINICAL PHARMACOLOGY--PHARMACOKINETICS	5T32 GM07546-04	162,711
BURKHALTER, ALAN	PHARMACOLOGY--TOXICOLOGY--PHARMACEUTICAL CHEMISTRY	5T32 GM07175-04	135,738
COLERIDGE, JOHN C	HEART AND VASCULAR DISEASES	3T32 HL07192-03S1	33,732
COLERIDGE, JOHN C	HEART AND VASCULAR DISEASES	5T32 HL07192-04	359,753
COMROE, JULIUS H, JR	PULMONARY MEDICINE	5T17 HL07159-06	367,200
EPSTEIN, CHARLES J	MEDICAL GENETICS	5T32 GM07085-05	86,117
FISKE, MARJORIE E	HUMAN DEVELOPMENT AND AGING	5T32 AG00041-03	49,074
FUKUYAMA, KIMIE	DERMATOLOGY RESEARCH	5T32 AM07175-05	82,260
GANONG, WILLIAM F	NEURAL REGULATION OF ENDOCRINE FUNCTION	5T32 AM07265-04	76,753
GRUMBACH, MELVIN M	PEDIATRIC ENDOCRINOLOGY	5T32 AM07161-05	88,181
HALL, ZACH W	NEUROBIOLOGY	5T32 GM07449-04	44,515
HALL, ZACH W	NEUROSCIENCES	5T32 NS07067-04	85,640
MARTIN, DAVID W, JR	MEDICAL SCIENTIST	5T32 GM07618-03	153,273
MC CARTHY, BRIAN J	MOLECULAR BIOLOGY OF EUKARYOTIC CELLS AND VIRUSES	5T32 CA09270-05	218,284
NADEL, JAY A	LUNG DISEASES--MULTIDISCIPLINARY	3T32 HL07185-03S1	18,075
NADEL, JAY A	LUNG DISEASES--MULTIDISCIPLINARY	5T32 HL07185-04	380,953
NEWBRUN, ERNEST	SHORT-TERM RESEARCH TRAINING	1T35 DE07103-01	13,025
OCKNER, ROBERT K	DIGESTIVE DISEASES AND NUTRITION	2T32 AM07007-06	124,520
OSTLER, H BRUCE	OCULAR INFLAMMATORY DISEASE	5T32 EY07058-02	102,562
PHIBBS, RODERIC H	PERINATOLOGY	5T32 HD07162-02	77,179
PHILLIPS, THEODORE L	RADIATION ONCOLOGY	5T32 CA09215-03	98,014
RECTOR, FLOYD C, JR	ACADEMIC NEPHROLOGY AND ELECTROLYTE METABOLISM	5T32 AM07219-05	135,748
SHELDON, GEORGE F	TRAUMA CENTER	2T32 GM07032-06	93,086
SHONET, STEPHEN B	BLOOD BANKING SCIENCES AND RELATED PROGRAMS	2T32 HL07100-06	98,708
SMUCKLER, EDWARD A	ENVIRONMENTAL PATHOLOGY	5T32 ES07099-02	39,295
TALAL, NORMAN	ACADEMIC RHEUMATOLOGY AND CLINICAL IMMUNOLOGY	5T32 AM07304-02	71,673
THALER, M MICHAEL	PEDIATRIC GASTROENTEROLOGY	5T32 AM07179-04	47,124
TODD, HARRY F, JR	ANTHROPOLOGICAL GERONTOLOGY	5T32 AG00045-04	70,463
WILSON, CHARLES B	BRAIN TUMOR BIOLOGY AND THERAPY	5T32 CA09291-04	9,516
ORGANIZATION TOTAL	33 3,868,465		
SANTA BARBARA			
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA ZIP CODE 93106			
CARBON, JOHN A	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07621-02	33,454
HORVATH, STEVEN M	PHYSIOLOGY OF EXERCISE AND STRESS	5T32 AG00073-02	60,977
ORGANIZATION TOTAL	2 94,431		
SANTA CRUZ			
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ ZIP CODE 95064			
ROCHA, VICTOR	MEDICAL AND BIOMEDICAL SCIENCES	1T32 GM07910-01	71,442
ORGANIZATION TOTAL	1 71,442		
STANFORD			
STANFORD UNIVERSITY ZIP CODE 94305			
BERNFIELD, MERTON R	MEMBRANE PATHOBIOLOGY	5T32 GM07781-02	157,555
BLASCHKE, TERRENCE F	CLINICAL PHARMACOLOGY	2T32 GM07065-06	44,863
CLAYTON, DAVID A	MEDICAL SCIENTIST	5T32 GM07365-05	494,790
COHEN, STANLEY N	GENETICS	5T32 GM07790-02	121,868
FARQUHAR, JOHN W	CARDIOVASCULAR DISEASE PREVENTION	2T32 HL07034-06	167,468
FELDMAN, MARCUS W	INTEGRATIVE BIOLOGY	2T32 GM07181-06	161,542
GRAY, GARY M	GASTROENTEROLOGY	5T32 AM07056-06	19,485
GRAY, GARY M	GASTROENTEROLOGY	2T32 AM07056-07	47,647
GRUMET, FRANK C	BLOOD BANKING AND TISSUE TYPING	5T32 HL07127-05	33,680
HANAWALT, PHILIP C	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07276-06	179,557
HARRISON, DONALD C	INVESTIGATIVE CARDIOLOGY	5T32 HL07265-03	142,726
JAMISON, REX L	NEPHROLOGY	1T32 AM07357-01	73,523
KAISER, A DALE	BIOCHEMISTRY	5T32 GM07599-03	191,379
KALLMAN, ROBERT F	CANCER ETIOLOGY, PREVENTION, DETECTION & DIAGNOSIS	5T32 CA09302-04	458,667

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CALIFORNIA—Continued			
KORN, DAVID	TUMOR BIOLOGY	2T32 CA09151-06	111,848
MANSOUR, TAG E	PHARMACOLOGY	2T32 GM07149-06	132,033
MERIGAN, THOMAS C	INFECTIOUS DISEASES (MICROBES, DRUGS AND HOST)	5T32 AI07089-04	48,137
REAVEN, GERALD M	DIABETES, ENDOCRINOLOGY AND METABOLOGY	5T32 AM07217-05	78,435
ROBIN, EUGENE D	PULMONARY SCIENTIST	3T32 HL07316-0251	3,704
ROBIN, EUGENE D	PULMONARY SCIENTIST	5T32 HL07316-03	142,190
ROSENBERG, SAUL A	INVESTIGATIVE ONCOLOGY	5T32 CA09287-03	91,278
ROSENTHAL, A RALPH	BASIC SCIENCES	5T32 EY07053-03	49,434
RUBINSTEIN, LUCIEN J	NEUROPATHOLOGY	5T32 NS07111-03	90,575
SHOOTER, ERIC M	DEVELOPMENTAL NEUROLOGY	5T32 NS07158-02	102,713
ORGANIZATION TOTAL	24 3,145,097		
TORRANCE			
LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT–LOS ANGELES COUNTY HARBOR-UCLA MEDICAL CENTER ZIP CODE 90509			
FISHER, DELBERT A	PERINATAL BIOLOGY	5T32 HD07013-04	80,803
IMAGAWA, DAVID T	PATHOGENESIS AND EPIDEMIOLOGY OF INFECTIOUS DISEASES	5T32 AI07014-05	72,102
RIMOIN, DAVID L	MEDICAL GENETICS	5T32 GM07414-04	67,175
STEWART, RAY E	ORALFACIAL GENETICS AND CRANIOFACIAL ANOMALIES	1T32 DE07076-01	89,040
SWERDLOFF, RONALD S	ENDOCRINOLOGY AND METABOLISM	5T32 AM07214-03	61,134
WASSERMAN, KARLMAN	BIOLOGICAL BASIS OF RESPIRATORY DISEASE	5T32 HL07388-03	94,127
ORGANIZATION TOTAL	6 464,381		
STATE TOTAL	205 21,468,434		
COLORADO			
BOULDER			
UNIVERSITY OF COLORADO SYSTEM–UNIVERSITY OF COLORADO AT BOULDER ZIP CODE 80309			
MC INTOSH, J RICHARD	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07385-04	62,393
PORTER, KEITH R	BIOMEDICAL SCIENCES (NORMAL AND ABNORMAL DEVELOPMENT)	5T32 HD07077-04	33,684
WOOD, WILLIAM B	MOLECULAR BIOLOGY	2T32 GM07135-06	81,986
ORGANIZATION TOTAL	3 178,063		
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER ZIP CODE 80206			
FARR, RICHARD S	CLINICAL IMMUNOLOGY	5T32 AI00048-06	81,634
ORGANIZATION TOTAL	1 81,634		
UNIVERSITY OF COLORADO SYSTEM–UNIVERSITY OF COLORADO HEALTH SCIENCE CENTER ZIP CODE 80262			
ALFREY, ALLEN C	RENAL AND ELECTROLYTE DISEASE & HYPERTENSION	5T32 AM07135-07	98,251
BATTAGLIA, FREDERICK C	PERINATAL MEDICINE	5T32 HD07186-02	118,077
CLAMAN, HENRY N	ALLERGY AND IMMUNOLOGY	5T32 AI07166-03	100,979
CROWLE, ALFRED J	CELLULAR IMMUNOLOGY	5T32 AI07035-05	137,951
CUMMINGS, DONALD J	MOLECULAR AND CELLULAR PATHOBIOLOGY	5T32 GM07378-04	74,324
EICKHOFF, THEODORE C	INFECTIOUS DISEASES	5T32 AI07029-05	104,515
GROVER, ROBERT F	RESPIRATION AND CIRCULATION DURING HYPOXIA	5T32 HL07171-04	89,869
HENDEE, WILLIAM R	MEDICAL PHYSICS	2T32 CA09073-06	41,598
HORWITZ, LAWRENCE D	CARDIOVASCULAR RESEARCH	1T32 HL07459-01	73,030
KERN, FRED, JR	GASTROINTESTINAL DISEASES	2T32 AM07038-06	58,894
MARTIN, A ROBERT	NEUROPHYSIOLOGY	5T32 NS07083-02	80,463
NIES, ALAN S	CLINICAL PHARMACOLOGY	2T32 GM07063-06	40,656
O'BRIEN, DONOUGH	MENTAL RETARDATION	5T32 HD07096-04	80,162
PATTERSON, DAVID	CELL BIOLOGY OF DEVELOPMENTAL ANOMALIES	5T32 HD07197-02	65,397
PETTIJOHN, DAVID E	HUMAN GENETICS	5T32 GM07342-03	61,281
PETTY, THOMAS L	MULTIDISCIPLINARY RESPIRATORY DISEASES	2T32 HL07085-06	170,402
PIERCE, G BARRY	TUMOR BIOLOGY--DEVELOPMENT AND NEOPLASIA	3T32 CA09157-0551	112,164

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
COLORADO—Continued			
PIZER, LEWIS I	VIROLOGY	1T32 AI07209-01	87,472
VERNADAKIS, ANTONIA O	DEVELOPMENTAL PHARMACOLOGY	3T32 HD07072-04S1	27,748
VERNADAKIS, ANTONIA O	DEVELOPMENTAL PHARMACOLOGY	2T32 HD07072-05	19,671
WEINER, NORMAN	PHARMACOLOGY	5T32 GM07635-03	111,727
ORGANIZATION TOTAL	21 1,754,631		
FORT COLLINS			
COLORADO STATE UNIVERSITY	**ZIP CODE 80523**		
BEDFORD, JOEL S	RADIATION BIOLOGY BASIC TO TUMOR THERAPY	5T32 CA09236-05	147,997
BENJAMIN, STEPHEN A	VETERINARY PATHOLOGY AND COMPARATIVE PATHOLOGY	1T15 CA09408-01	139,598
NISWENDER, GORDON D	MAMMALIAN REPRODUCTIVE BIOLOGY	5T32 HD07031-04	61,387
PAUTLER, EUGENE L	OPHTHALMOLOGY	5T32 EY07064-02	59,271
ORGANIZATION TOTAL	4 408,253		
STATE TOTAL	29 2,422,581		
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER	**ZIP CODE 06032**		
BECKER, ELMER L	BASIC IMMUNOLOGY & IMMUNOLOGIC CELL INJURY	5T32 AI07080-04	96,620
COHEN, STANLEY	IMMUNOPATHOLOGY OF NEOPLASTIC DISEASES	5T32 CA09205-05	148,615
HOYER, LEON W	HEMATOLOGY	3T32 HL07324-02S1	3,656
HOYER, LEON W	HEMATOLOGY	5T32 HL07324-03	47,018
KATZ, ARNOLD M	CARDIAC CELL MEMBRANE PHYSIOLOGY	5T32 HL07420-02	72,245
RAISZ, LAWRENCE G	ENDOCRINOLOGY AND METABOLISM	5T32 AM07290-03	68,053
TANZER, MARVIN L	BIOLOGY AND CHEMISTRY OF CONNECTIVE TISSUES	5T32 AM07340-02	42,590
TANZER, MARVIN L	MOLECULAR BIOLOGY AND BIOCHEMISTRY	5T32 GM07407-03	43,091
TRUMMEL, CLARENCE L	PERIODONTAL PATHOBIOLOGY	1T32 DE07090-01A1	49,320
WEINSTEIN, SAM	BIOENGINEERING AND ORTHODONTICS	5T32 DE07047-04	75,791
ORGANIZATION TOTAL	10 646,999		
NEW HAVEN			
YALE UNIVERSITY	**ZIP CODE 06520**		
BERTINO, JOSEPH R	MEDICAL ONCOLOGY, HEMATOLOGY, AND PHARMACOLOGY	5T32 CA09200-05	266,004
BINDER, HENRY J	GASTROENTEROLOGY	5T32 AM07017-04	45,586
BLACK, FRANCIS L	CENTRAL NERVOUS SYSTEM--VIROLOGICAL INFECTIONS	2T32 NS07036-06	106,902
BOULPAEP, EMILE L	TRANSPORT PROCESSES IN BIOLOGICAL SYSTEMS	5T32 AM07259-04	41,385
BOYER, JAMES L	INVESTIGATIVE HEPATOLOGY	5T32 AM07356-02	99,001
CARTER, DAVID M	THE BIOLOGY OF CUTANEOUS AGING	1T32 AG00081-01	52,170
CHANDLER, WILLIAM K	MEMBRANE BIOPHYSICS AND SENSORY MECHANISMS	3T32 NS07102-03S1	1,192
CHANDLER, WILLIAM K	MEMBRANE BIOPHYSICS AND SENSORY MECHANISMS	5T32 NS07102-04	61,033
COHEN, LAWRENCE B	CELLULAR AND PHARMACOLOGICAL BASIS OF ORGAN FUNCTION	5T32 GM07527-04	126,996
COOPER, JACK R	GENERAL PHARMACOLOGY	2T32 GM07324-06A1	28,798
FISCHER, JAMES J	RADIATION THERAPY, BIOLOGY, AND PHYSICS	5T32 CA09259-03	144,367
FORGET, BERNARD G	RED BLOOD CELL DISEASES, HEMOSTASIS AND BLOOD BANKING	5T32 HL07262-04	102,013
GALL, JOSEPH G	DEVELOPMENTAL BIOLOGY	5T32 HD07180-02	237,911
GERSHON, RICHARD K	INTERDISCIPLINARY IMMUNOLOGY	5T32 AI07019-05	132,635
GILLIS, CHARLES N	LUNG PHARMACOLOGY AND PATHOPHYSIOLOGY	3T32 HL07410-01S1	14,686
HAYSLETT, JOHN P	PATHOPHYSIOLOGY OF ACUTE AND CHRONIC RENAL DISEASE	5T32 AM07276-03	100,460
HITCHCOCK, MARGARET	ENVIRONMENTAL TOXICOLOGY AND PHYSIOLOGY	5T32 ES07086-02	116,640
HSIUNG, GUEH-DJEN	CLINICAL VIROLOGY	5T32 AI07018-05	47,699
HUTCHINSON, FRANKLIN	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07223-06	651,850
JAMIESON, JAMES D	MEDICAL SCIENTIST	2T32 GM07205-06	502,943
KANTOR, FRED S	ALLERGY AND IMMUNOLOGY	1T32 AI07174-01A1	78,115
KELSEY, JENNIFER L	EPIDEMIOLOGY OF BONE DISEASES	5T32 AM07250-04	47,526

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
CONNECTICUT—Continued			
LERNER, AARON B	DERMATOLOGY	5T32 AM07016-06	39,044
LERNER, AARON B	DERMATOLOGY	2T32 AM07016-07	120,810
MALAWISTA, STEPHEN E	INVESTIGATIVE RHEUMATOLOGY	5T32 AM07107-05	47,456
MARCHESI, VINCENT T	EXPERIMENTAL AND HUMAN PATHOBIOLOGY	5T32 GM07562-04	113,119
MILLER, I GEORGE, JR	INFECTIOUS DISEASES	1T32 AI07210-01	46,419
OSTFELD, ADRIAN M	CARDIOVASCULAR DISEASE MEASUREMENT	3T32 HL07428-01S1	410
OSTFELD, ADRIAN M	CARDIOVASCULAR DISEASE MEASUREMENT	5T32 HL07428-02	96,299
PRUSOFF, WILLIAM H	BIOCHEMICAL ASPECTS OF CHEMOTHERAPY	2T32 CA09085-06	198,321
RASMUSSEN, HOWARD	METABOLIC DISEASES AND DIABETES	5T32 AM07058-06	93,282
REID, TED W	VISUAL SCIENCES	2T32 EY07000-06	6,218
RITCHIE, J MURDOCH	NEUROPHARMACOLOGY	3T32 NS07136-01S1	5,517
RITCHIE, J MURDOCH	NEUROPHARMACOLOGY	5T32 NS07136-02	58,541
ROOT, RICHARD K	INFECTIOUS DISEASES MICROBIAL AND IMMUNE MECHANISMS	5T32 AI07033-05	93,628
ROSENBERG, LEON E	GENETICS AND MEDICAL SCIENCES	5T32 GM07439-04	144,817
RUDDLE, FRANK H	GENETICS	5T32 GM07499-04	245,963
SCHULTZ, T PAUL	POPULATION AND LABOR	5T32 HD07146-03	72,148
SHOPE, ROBERT E	VIRAL DISEASE MECHANISMS, EPIDEMIOLOGY, AND CONTROL	5T32 AI07098-04	60,642
SLAYMAN, CAROLYN W	CONGENITAL DEFECTS: STRUCTURAL, METABOLIC, BEHAVIORAL	5T32 HD07149-03	126,157
STOLWIJK, JAN A	ENVIRONMENTAL EPIDEMIOLOGY AND STATISTICS	5T32 ES07085-02	82,915
TALNER, NORMAN S	POSTNATAL DEVELOPMENT OF CARDIOVASCULAR FUNCTION	5T32 HL07272-04	91,481
WARSHAW, JOSEPH B	RESEARCH IN PERINATAL MEDICINE	5T32 HD07094-04	76,773
WEISSMAN, SHERMAN M	MOLECULAR AND ONCOLOGIC VIROLOGY	2T32 CA09159-06	147,316
WHITE, COLIN	CANCER EPIDEMIOLOGY AND BIOSTATISTICS	3T32 CA09279-02S1	2,093
WHITE, COLIN	CANCER EPIDEMIOLOGY AND BIOSTATISTICS	5T32 CA09279-03	162,750
ORGANIZATION TOTAL	46 5,138,031		
STORRS			
UNIVERSITY OF CONNECTICUT STORRS **ZIP CODE 06268**			
GOETINCK, PAUL F	CONTROL MECHANISMS IN CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07219-04	52,563
SPEYER, JOSEPH F	GENETICS	5T32 GM07584-03	25,126
ORGANIZATION TOTAL	2 77,689		
STATE TOTAL	58 5,862,719		
DIST OF COL			
WASHINGTON			
GEORGE WASHINGTON UNIVERSITY **ZIP CODE 20052**			
MANDEL, H GEORGE	CANCER PHARMACOLOGY	5T32 CA09223-03	42,155
ORGANIZATION TOTAL	1 42,155		
GEORGETOWN UNIVERSITY **ZIP CODE 20057**			
BELLANTI, JOSEPH A	DEVELOPMENTAL IMMUNOLOGY	5T32 HD07185-02	64,852
ROSE, JOHN C	VASCULAR CONTROL AND HYPERTENSION	3T32 HL07213-03S1	6,413
ROSE, JOHN C	VASCULAR CONTROL AND HYPERTENSION	5T32 HL07213-04	146,877
STANDAERT, FRANK G	NEUROPHARMACOLOGY	5T32 GM07443-04	70,253
ORGANIZATION TOTAL	4 288,395		
HOWARD UNIVERSITY **ZIP CODE 20059**			
COLEMAN, BERNELL	PHYSIOLOGY	5T32 GM07800-02	117,682
FREDERICK, LAFAYETTE	INTERDISCIPLINARY SCIENCES	1T32 GM07763-01	147,411
GARVEY, H LLOYD	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07302-04	47,315
LEAK, LEE V	BIOMEDICAL SCIENCES--MULTIDISCIPLINARY	5T32 GM07803-02	79,644
STORM, CARLYLE B	BIOCHEMISTRY AND BIOPHYSICAL CYTOLOGY	5T32 GM07799-02	123,755
ORGANIZATION TOTAL	5 515,807		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
DIST OF COL—Continued			
UNIVERSITY OF THE DISTRICT OF COLUMBIA ZIP CODE 20008			
KONDO, NORMAN S	BIOMEDICAL SCIENCES	1T32 GM07677-01A1	123,547
ORGANIZATION TOTAL	1 123,547		
STATE TOTAL	11 969,904		
FLORIDA			
CORAL GABLES			
UNIVERSITY OF MIAMI ZIP CODE 33124			
SCHNEIDERMAN, NEIL	BEHAVIORAL MEDICINE RESEARCH IN CARDIOVASCULAR DISEASE	3T32 HL07426-01S1	1,527
SCHNEIDERMAN, NEIL	BEHAVIORAL MEDICINE RESEARCH IN CARDIOVASCULAR DISEASE	5T32 HL07426-02	97,296
ORGANIZATION TOTAL	2 98,823		
DAYTONA BEACH			
BETHUNE-COOKMAN COLLEGE ZIP CODE 32015			
SEN, SHUKDEB	GENERAL MEDICINE & BIOLOGICAL SCIENCES	1T32 GM07721-01A1	94,170
ORGANIZATION TOTAL	1 94,170		
GAINESVILLE			
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA ZIP CODE 32611			
BERNS, KENNETH I	BASIC MICROBIOLOGY AND INFECTIOUS DISEASES	5T32 AI07110-03	122,451
ENNEKING, WILLIAM F	INVESTIGATIVE MUSCULOSKELETAL PATHOLOGY	5T32 A[illegible]1-06	2,897
FREGLY, MELVIN J	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL [illegible]8-04	23,869
FREGLY, MELVIN J	GENETICS, ENDOCRINOLOGY AND METABOLISM	5T32 AM07164-05	56,146
GELATT, KIRK N	COMPARATIVE OPHTHALMOLOGY AND VISUAL SCIENCE	5T32 EY07060-02	61,850
HOLLIEN, HARRY	COMMUNICATION SCIENCES	5T32 NS07107-03	43,419
MANCOS, JOHN A	SHORT-TERM RESEARCH TRAINING	1T35 HL07489-01	36,180
MC GUIGAN, JAMES E	GASTROENTEROLOGY	5T32 AM07209-04	47,737
MOHAMMED, M HAMDI	RESTORATIVE BIOMATERIALS RESEARCH	5T32 DE07045-05	36,190
MORELAND, ALVIN F	LABORATORY ANIMAL COMPARATIVE MEDICINE	5T32 RR07001-04	80,363
SMITH, RICHARD T	CELL BIOLOGY AND IMMUNOBIOLOGY OF CANCER	2T32 CA09126-06	[illegible]
ORGANIZATION TOTAL	11 610,086		
MIAMI			
UNIVERSITY OF MIAMI ZIP CODE 33101			
BASSETT, ARTHUR L	CARDIOVASCULAR PHARMACOLOGY	3T32 HL07188-04S1	11,324
BASSETT, ARTHUR L	CARDIOVASCULAR PHARMACOLOGY	5T32 HL07188-05	155,462
GELBAND, HENRY	CARDIAC ELECTROPHYSIOLOGY	5T32 HL07436-02	103,664
INGRAM, MARYLOU	BASIC AND CLINICAL CANCER RESEARCH	5T32 CA09212-03	98,436
MARSH, JOHN M	FERTILIZATION AND REPRODUCTIVE BIOLOGY	5T32 HD07129-02	61,012
MASSARO, DONALD J	LUNG BIOCHEMISTRY AND ANATOMY	5T32 HL07283-04	149,693
MINTZ, DANIEL H	DIABETES METABOLISM AND ENDOCRINOLOGY	3T32 AM07346-01S1	9,586
MINTZ, DANIEL H	DIABETES METABOLISM AND ENDOCRINOLOGY	5T32 AM07346-02	47,818
WHELAN, WILLIAM J	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07332-03	77,993
WILSON, DAVID L	DEVELOPMENTAL NEUROSCIENCES	2T32 NS07044-06	73,820
YUNIS, ADEL A	INTERNAL MEDICINE--HEMATOLOGY	5T32 AM07114-06	21,557
YUNIS, ADEL A	INTERNAL MEDICINE--HEMATOLOGY	2T32 AM07114-07	65,361
ORGANIZATION TOTAL	12 875,726		
MIAMI BEACH			
MOUNT SINAI MEDICAL CENTER ZIP CODE 33140			
SACKNER, MARVIN A	PULMONARY DISEASE	5T32 HL07358-03	95,256
ORGANIZATION TOTAL	1 95,256		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
FLORIDA—Continued			
TALLAHASSEE			
STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA STATE UNIVERSITY ZIP CODE 32306			
NAM, CHARLES B	POPULATION (MULTIDISCIPLINARY)	5T32 HD07082-04	40,894
ORGANIZATION TOTAL	1 40,894		
STATE TOTAL	28 1,814,955		
GEORGIA			
ATHENS			
UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA ZIP CODE 30602			
GILES, NORMAN H	GENETICS	2T32 GM07103-06A1	108,611
ORGANIZATION TOTAL	1 108,611		
ATLANTA			
ATLANTA UNIVERSITY ZIP CODE 30314			
HAMILTON, FRANKLIN D	BIOMEDICAL SCIENCES	3T32 GM07808-01S1	15,000
HAMILTON, FRANKLIN D	BIOMEDICAL SCIENCES	5T32 GM07808-02	205,840
ORGANIZATION TOTAL	2 220,840		
ATLANTA UNIVERSITY CENTER ZIP CODE 30310			
FINKELSTEIN, ISABELLA N	BIOMEDICAL SCIENCES	5T32 GM07666-04	206,513
ORGANIZATION TOTAL	1 206,513		
EMORY UNIVERSITY ZIP CODE 30322			
DI GIROLAMO, MARIO	ENDOCRINOLOGY, METABOLISM AND DIABETES	5T32 AM07298-03	91,879
HUNT, LINDSAY M	SHORT-TERM RESEARCH TRAINING	1T35 DE07110-01	17,366
MORAN, NEIL C	PHARMACOLOGICAL SCIENCES	5T32 GM07594-03	69,772
NAHMIAS, ANDRE J	BIOLOGY OF OROFACIAL HERPES SIMPLEX VIRUS INFECTION	5T32 DE07074-04	90,422
NUTTER, DONALD O	MEDICAL SCIENTIST	5T32 GM07415-04	97,877
NUTTER, DONALD O	SHORT-TERM RESEARCH TRAINING	1T35 NS07193-01	43,416
SHULMAN, NEIL B	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07305-04	98,363
ORGANIZATION TOTAL	7 509,095		
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA INSTITUTE OF TECHNOLOGY ZIP CODE 30332			
HOCHMAN, ROBERT F	DENTAL MATERIALS SCIENCE	5T32 DE07053-05	75,496
ORGANIZATION TOTAL	1 75,496		
AUGUSTA			
UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA ZIP CODE 30901			
MAHESH, VIRENDRA B	ENDOCRINE AND POPULATION ASPECTS OF REPRODUCTIVE BIOLOGY	5T32 HD07110-03	27,567
ORGANIZATION TOTAL	1 27,567		
SAVANNAH			
UNIVERSITY SYSTEM OF GEORGIA--SAVANNAH STATE COLLEGE ZIP CODE 31404			
NAMBIAR, GOVINDAN K	BIOLOGICAL/PHYSICAL SCIENCES--MATH/PHYSICS	5T32 GM07645-02	108,706
ORGANIZATION TOTAL	1 108,706		
STATE TOTAL	14 1,256,828		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training		Grant number	Dollars
HAWAII				
HONOLULU				
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA ZIP CODE 96822				
GREENWOOD, FREDERICK C	BIOMEDICAL SCIENCES		5T32 GM07684-03	92,712
ORGANIZATION TOTAL	1	92,712		
STATE TOTAL	1	92,712		
ILLINOIS				
CHICAGO				
NORTHWESTERN UNIVERSITY ZIP CODE 60611				
ATKINSON, ARTHUR J, JR	CLINICAL PHARMACOLOGY		1T32 GM07842-01	22,624
FREINKEL, NORBERT	METABOLOGY		5T32 AM07169-05	50,407
GREENER, EVAN H	DENTAL MATERIALS SCIENCE		5T32 DE07042-05	97,704
NARAHASHI, TOSHIO	PHARMACOLOGY		2T32 GM07263-06	76,122
PATERSON, PHILIP Y	SHORT-TERM RESEARCH TRAINING		1T35 AI07224-01	52,099
PATTERSON, ROY	ALLERGY AND IMMUNOLOGY		5T32 AI07075-04	47,278
STAMLER, JEREMIAH	CARDIOVASCULAR EPIDEMIOLOGY, BIOSTATISTICS, NUTRITION		3T32 HL07113-05S1	1,760
STAMLER, JEREMIAH	CARDIOVASCULAR EPIDEMIOLOGY, BIOSTATISTICS, NUTRITION		2T32 HL07113-06A1	74,297
ORGANIZATION TOTAL	8	422,291		
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER--RUSH UNIVERSITY ZIP CODE 60612				
GALANTE, JORGE O	ORTHOPEDIC BIOMECHANICS AND BIOMATERIALS		1T32 AM07375-01	63,849
SCHAUF, CHARLES L	BIOPHYSICS AND CARDIOLOGY		3T32 HL07320-02S1	5,220
SCHAUF, CHARLES L	BIOPHYSICS AND CARDIOLOGY		5T32 HL07320-03	93,028
ORGANIZATION TOTAL	3	162,097		
UNIVERSITY OF CHICAGO ZIP CODE 60637				
ARNASON, BARRY G	IMMUNOLOGY OF NERVOUS SYSTEM DISEASES		3T32 NS07113-03S1	11,269
ARNASON, BARRY G	IMMUNOLOGY OF NERVOUS SYSTEM DISEASES		5T32 NS07113-04	130,653
BUTLER, ROBERT A	PATHOLOGY OF AUDITORY AND VESTIBULAR SYSTEMS		3T32 NS07038-02S1	4,272
BUTLER, ROBERT A	PATHOLOGY OF AUDITORY AND VESTIBULAR SYSTEMS		5T32 NS07038-03	28,913
DORFMAN, ALBERT	GROWTH AND DEVELOPMENT		3T32 HD07009-05S1	75,097
DORFMAN, ALBERT	GROWTH AND DEVELOPMENT		2T32 HD07009-06	93,814
EPSTEIN, WOLFGANG	GENETICS AND REGULATION		2T32 GM07197-06	331,959
EPSTEIN, WOLFGANG	HUMAN AND BIOCHEMICAL GENETICS		5T32 GM07543-04	86,414
FITCH, FRANK W	IMMUNOLOGY--INTERDISCIPLINARY		5T32 AI07090-02	65,325
FOZZARD, HARRY A	MULTIDISCIPLINARY CARDIAC SCIENCES		3T32 HL07381-02S1	49,740
FOZZARD, HARRY A	MULTIDISCIPLINARY CARDIAC SCIENCES		5T32 HL07381-03	318,619
GOLDBERG, LEON I	CLINICAL THERAPEUTICS		5T32 GM07019-06	88,167
GOLDWASSER, EUGENE	DEVELOPMENTAL BIOLOGY		5T32 HD07136-03	138,662
GUILLERY, RAINER W	NEURAL SYSTEMS		1T32 GM07839-01	44,554
HELLER, ALFRED	PHARMACOLOGICAL SCIENCES		2T32 GM07151-06	189,228
JENSEN, ELWOOD V	EXPERIMENTAL ONCOLOGY		2T32 CA09183-06	170,262
KIEFF, ELLIOTT D	INFECTIOUS DISEASES		5T32 AI07099-04	141,931
KITAGAWA, EVELYN M	SOCIOLOGICAL CONSEQUENCES OF POPULATION		5T32 HD07153-03	67,634
KUCHNIR, FRANCA T	MEDICAL PHYSICS IN CANCER DIAGNOSIS AND THERAPY		5T32 CA09260-02	92,919
LIEBERMAN, MORTON A	ADULT DEVELOPMENT AND AGING		5T32 AG00039-04	87,129
REFETOFF, SAMUEL	INTEGRATED CLINICAL AND BASIC ENDOCRINOLOGY		5T32 AM07011-06	44,914
REFETOFF, SAMUEL	INTEGRATED CLINICAL AND BASIC ENDOCRINOLOGY		2T32 AM07011-07	162,858
ROIZMAN, BERNARD	VIRAL ONCOLOGY		5T32 CA09241-03	153,259
ROIZMAN, BERNARD	VIROLOGY--INTERDEPARTMENTAL		5T32 AI07182-02	139,834
ROSENBERG, IRWIN H	DIGESTIVE DISEASES		5T32 AM07074-06	22,214
ROSENBERG, IRWIN H	DIGESTIVE DISEASES		2T32 AM07074-07	73,909
STRAUSS, BERNARD S	ENVIRONMENTAL BIOLOGY		5T32 CA09273-03	95,301
SWIFT, HEWSON H	CANCER BIOLOGY		5T32 CA09267-03	119,660
TAYLOR, EDWIN W	MOLECULAR AND CELLULAR BIOLOGY		2T32 GM07183-06	548,396

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
ILLINOIS—Continued			
URETZ, ROBERT B	SHORT-TERM RESEARCH TRAINING	1T35 CA09377-01	56,441
URETZ, ROBERT B	MEDICAL SCIENTIST	2T32 GM07281-06	741,559
WISSLER, ROBERT W	CARDIOVASCULAR PATHOPHYSIOLOGY AND BIOCHEMISTRY	3T32 HL07237-04S1	4,255
WISSLER, ROBERT W	CARDIOVASCULAR PATHOPHYSIOLOGY AND BIOCHEMISTRY	5T32 HL07237-05	166,342
YACHNIN, STANLEY	HEMATOLOGY AND ONCOLOGY	2T32 AM07134-06	92,145
ORGANIZATION TOTAL	34 4,637,648		
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER ZIP CODE 60612			
EISENMANN, DALE R	SHORT-TERM RESEARCH TRAINING	1T35 DE07114-01	13,025
GOLDBERG, MORTON F	OPHTHALMOLOGY	5T32 EY07038-04	118,528
LEVY, PAUL S	CANCER EPIDEMIOLOGY	5T32 ES07077-03	50,730
ROSEN, KENNETH M	CARDIOLOGY--ARRHYTHMIA	5T32 HL07387-03	48,620
WEINSTEIN, RONALD S	SHORT-TERM RESEARCH TRAINING	1T35 AM07404-01	13,025
ORGANIZATION TOTAL	5 243,928		
EVANSTON			
NORTHWESTERN UNIVERSITY ZIP CODE 60201			
CANTER, GERALD J	SPEECH AND LANGUAG. PATHOLOGY	5T32 NS07100-03	98,658
ELLIOTT, LOIS L	NEUROBIOLOGY OF HEARING	3T32 NS07108-02S1	2,996
ELLIOTT, LOIS L	NEUROBIOLOGY OF HEARING	5T32 NS07108-03	102,224
JACOBS, JOHN E	BIOMEDICAL ENGINEERING	5T32 GM07350-04	72,012
SCHWARTZ, NEENA B	REPRODUCTIVE BIOLOGY	5T32 HD07068-03	70,508
ORGANIZATION TOTAL	5 346,398		
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN ZIP CODE 61801			
DUCOFF, HOWARD S	RADIATION BIOPHYSICS & BIOENGINEERING IN ONCOLOGY	2T32 CA09067-06	74,390
DZIUK, PHILIP J	REPRODUCTIVE BIOLOGY	5T32 HD07028-05	66,981
EBREY, THOMAS G	PHYSIOLOGY AND BIOCHEMISTRY OF VISION	2T32 EY07005-06	57,783
HAGER, LOWELL P	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07283-06	332,184
LEVY, ALLAN H	COMPUTER SCIENCES (PHYSICIAN)	5T15 LM07011-04	172,278
PARKE, ROSS D	BASIC AND APPLIED CHILD DEVELOPMENT	1T32 HD07205-01	115,113
ORGANIZATION TOTAL	6 818,729		
STATE TOTAL	61 6,631,091		
INDIANA			
BLOOMINGTON			
INDIANA UNIVERSITY AT BLOOMINGTON ZIP CODE 47401			
PISONI, DAVID B	SENSORY PHYSIOLOGY & BIOPHYSICS	3T32 NS07134-01A1S1	305
PISONI, DAVID B	SENSORY PHYSIOLOGY & BIOPHYSICS	5T32 NS07134-02	42,742
PUTNAM, FRANK W	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07227-06	77,576
RHOADES, MARCUS M	GENETICS	5T32 GM07757-02	116,899
ORGANIZATION TOTAL	4 237,522		
INDIANAPOLIS			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS ZIP CODE 46202			
BAEHNER, ROBERT L	IMMUNOLOGIC AND MORPHOLOGIC STUDY OF PHAGOCYTES	5T32 AM07193-05	72,294
BESCH, HENRY R, JR	COMPREHENSIVE PHARMACOLOGY OF SPECIAL SYSTEMS	5T32 GM07756-02	43,738
BIXLER, DAVID	ORAL-FACIAL GENETICS	5T32 DE07043-04	106,630
FISCH, CHARLES	CARDIOVASCULAR MEDICINE	5T32 HL07182-05	94,768
JOHNSTON, C CONRAD, JR	ENDOCRINOLOGY AND METABOLISM	5T32 AM07293-03	45,004
PALMER, CATHERINE G	MEDICAL GENETICS	5T32 GM07468-03	107,275

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
INDIANA—Continued			
WEINBERGER, MYRON H	HYPERTENSION	5T32 HL07181-04	71,215
ORGANIZATION TOTAL	7 540,924		
NOTRE DAME			
UNIVERSITY OF NOTRE DAME ZIP CODE 46556			
BORKOWSKI, JOHN G	MENTAL RETARDATION	5T32 HD07184-02	58,382
WEINSTEIN, PAUL P	EXPERIMENTAL PARASITOLOGY AND VECTOR BIOLOGY	5T32 AI07030-05	144,744
ORGANIZATION TOTAL	2 203,126		
WEST LAFAYETTE			
PURDUE UNIVERSITY WEST LAFAYETTE ZIP CODE 47907			
CHRISTIAN, JOHN E	ENVIRONMENTAL TOXICOLOGY	5T32 ES07039-02	97,722
GILHAM, PETER T	MOLECULAR MECHANISMS OF CELL FUNCTIONS	2T32 GM07211-06	134,377
MAICKEL, ROGER P	PHARMACOLOGY AND TOXICOLOGY	2T32 GM07095-06	59,905
MAICKEL, ROGER P	SHORT-TERM RESEARCH TRAINING	1T35 GM07886-01	13,025
PAK, WILLIAM L	VISUAL PHYSIOLOGY AND CHEMISTRY	2T32 EY07008-06	107,706
ORGANIZATION TOTAL	5 412,735		
STATE TOTAL	18 1,394,307		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA ZIP CODE 52242			
ABBOUD, FRANCOIS M	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07121-05S1	13,733
ABBOUD, FRANCOIS M	INTERDISCIPLINARY CARDIOVASCULAR RESEARCH	2T32 HL07121-06	313,959
BRODY, MICHAEL J	MECHANISMS OF HYPERTENSION	5T35 HL07393-03	32,744
CHRISTENSEN, JAMES	GASTROENTEROLOGY	5T32 AM07072-06	37,708
CHRISTENSEN, JAMES	GASTROENTEROLOGY AND HEPATOLOGY	2T32 AM07072-07	46,523
FELLOWS, ROBERT E, JR	MEDICAL SCIENTIST	5T32 GM07337-04	112,706
GRANNER, DARYL K	DIABETES AND ENDOCRINOLOGY	5T32 AM07018-07	105,011
GRIGSBY, WILLIAM R	PERIODONTOLOGY	5T32 DE07007-05	44,994
GUSSIN, GARY N	GENETICS	2T32 GM07091-06	73,782
HEATH, EDWARD C	MOLECULAR BIOLOGY OF TUMOR CELLS	2T32 CA09119-06	99,036
HOAK, JOHN C	HEMOSTASIS AND THROMBOSIS	3T32 HL07344-02S1	5,617
HOAK, JOHN C	HEMOSTASIS AND THROMBOSIS	5T32 HL07344-03	96,370
LAUER, RONALD M	PEDIATRIC CARDIOLOGY	5T32 HL07413-03	96,932
LONG, JOHN P	PHARMACOLOGICAL SCIENCES	2T32 GM07069-06	116,996
MARCUS, MELVIN L	SHORT-TERM RESEARCH TRAINING	1T35 HL07485-01	60,782
MENNINGER, JOHN R	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07228-06	76,609
OSBORNE, JAMES W	BIOMEDICAL RADIOLOGY	5T32 CA09125-06	111,342
PONSETI, IGNACIO V	SKELETAL DISEASES	5T32 AM07075-06	36,426
PONSETI, IGNACIO V	SKELETAL DISORDERS	2T32 AM07075-07	6,805
ROBERTS, ROBERT J	CLINICAL PHARMACOLOGY AND TOXICOLOGY	5T32 GM07442-04	45,480
STEINMETZ, PHILIP R	EPITHELIAL TRANSPORT AND RENAL PATHOPHYSIOLOGY	5T32 AM07140-04	19,947
TIPTON, CHARLES M	PHYSICAL EDUCATION SCIENTISTS	5T32 GM07045-03	75,062
WALLACE, ROBERT B	CANCER EPIDEMIOLOGY	3T32 CA09027-05S1	32,500
ORGANIZATION TOTAL	23 1,661,064		
STATE TOTAL	23 1,661,064		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS COLLEGE OF HEALTH SCIENCES AND HOSPITAL ZIP CODE 66103			
KLAASSEN, CURTIS D	ENVIRONMENTAL TOXICOLOGY	5T32 ES07079-02	85,121
ORGANIZATION TOTAL	1 85,121		
LAWRENCE			
UNIVERSITY OF KANSAS LAWRENCE ZIP CODE 66045			
BUTTERFIELD, EARL C	MENTAL RETARDATION AND OTHER DEVELOPMENTAL DISABILITIES	5T32 HD07066-05	121,600
HOROWITZ, FRANCES D	DEVELOPMENTAL AND CHILD PSYCHOLOGY	5T32 HD07173-02	162,343
MITSCHER, LESTER A	MEDICINAL CHEMISTRY AND PHARMACOLOGY	5T32 GM07775-02	112,778
STERNSON, LARRY A	CLINICAL DRUG ANALYSIS OF ANTICANCER AGENTS	5T32 CA09242-05	98,600
ORGANIZATION TOTAL	4 495,321		
STATE TOTAL	5 580,442		
KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY ZIP CODE 40506			
KOTCHEN, THEODORE A	MINORITY HYPERTENSION RESEARCH SUMMER PROGRAM	5T35 HL07390-03	28,237
MARUYAMA, YOSH	RADIATION ONCOLOGY	5T32 CA09040-05	58,748
ORGANIZATION TOTAL	2 86,985		
LOUISVILLE			
UNIVERSITY OF LOUISVILLE ZIP CODE 40208			
POTTS, ALBERT M	BASIC SCIENCES	5T32 EY07049-04	3,009
SUDDICK, RICHARD P	SHORT-TERM RESEARCH TRAINING	1T35 DE07104-01	13,025
ORGANIZATION TOTAL	2 16,034		
STATE TOTAL	4 103,019		
LOUISIANA			
COVINGTON			
TULANE UNIVERSITY OF LOUISIANA ZIP CODE 70433			
ROBERTS, JAMES A	UROLOGY	2T32 AM07212-05	19,019
ORGANIZATION TOTAL	1 19,019		
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS ZIP CODE 70112			
BERLIN, CHARLES I	AUDITORY PHYSIOLOGY AND ANATOMY	2T32 NS07058-04	64,645
SPITZER, JOHN J	CARDIOVASCULAR DYNAMICS AND METABOLISM	2T32 HL07098-06A1	86,129
SPITZER, JOHN J	METABOLIC AND MICROBIAL STUDIES IN TRAUMA AND BURNS	5T32 GM07029-06	57,837
ORGANIZATION TOTAL	3 208,611		
TULANE UNIVERSITY OF LOUISIANA ZIP CODE 70118			
EPPS, ANNA C	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07299-04	53,308
FISHER, JAMES W	PHARMACOLOGICAL SCIENCES	2T32 GM07177-06	77,285
FRIEDMAN, LORRAINE	MYCOTIC DISEASES AND BASIC MECHANISMS	5T32 AI07152-03	39,560
SALVAGGIO, JOHN E	FIBROTIC AND IMMUNOLOGIC PULMONARY DISEASE	3T32 HL07376-02S1	6,225

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
LOUISIANA—Continued			
SALVAGGIO, JOHN E	FIBROTIC AND IMMUNOLOGIC PULMONARY DISEASE	5T32 HL07376-03	146,454
ORGANIZATION TOTAL 5	322,832		
XAVIER UNIVERSITY OF LOUISIANA ZIP CODE 70125			
MALMSTROM, SISTER MARY C	BIOMEDICAL SCIENCES	5T32 GM07716-02	72,261
ORGANIZATION TOTAL 1	72,261		
STATE TOTAL 10	622,723		
MAINE			
BAR HARBOR			
JACKSON LABORATORY ZIP CODE 04609			
EICHER, EVA M	GENETICS	5T32 GM07386-03	42,139
KOZAK, LESLIE P	REPRODUCTIVE BIOLOGY	5T32 HD07065-03	38,341
PREHN, RICHMOND T	CANCER BIOLOGY	5T32 CA09217-03	86,481
ORGANIZATION TOTAL 3	166,961		
STATE TOTAL 3	166,961		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY ZIP CODE 21218			
ANNAU, ZOLTAN	BEHAVIORAL AND ENVIRONMENTAL TOXICOLOGY	5T32 ES07094-02	155,638
AUGUST, J THOMAS	PHARMACOLOGY	5T32 GM07626-03	90,577
BANG, FREDERIK B	PARASITOLOGY AND MEDICAL ENTOMOLOGY	3T32 AI07168-02S1	2,068
BANG, FREDERIK B	PARASITOLOGY AND MEDICAL ENTOMOLOGY	5T32 AI07168-03	95,391
FREEDBERG, IRWIN M	DERMATOLOGY	5T32 AM07324-02	65,400
GORDIS, LEON	CANCER EPIDEMIOLOGY	1T32 CA09314-01A1	144,112
GORDIS, LEON	CARDIOVASCULAR EPIDEMIOLOGY	3T32 HL07024-05S1	2,016
GORDIS, LEON	CARDIOVASCULAR EPIDEMIOLOGY	2T32 HL07024-06	144,156
GREEN, LAWRENCE W	BEHAVIORAL RESEARCH IN CARDIOVASCULAR RISK REDUCTION	3T32 HL07180-04S1	4,644
GREEN, LAWRENCE W	BEHAVIORAL RESEARCH IN CARDIOVASCULAR RISK REDUCTION	5T32 HL07180-05	242,374
GURTNER, GAIL H	PULMONARY MEDICINE	5T17 HL07137-06	4,753
GURTNER, GAIL H	PULMONARY MEDICINE	3T32 HL07199-03S1	9,414
GURTNER, GAIL H	PULMONARY MEDICINE	5T32 HL07199-04	285,281
HARRINGTON, WILLIAM F	MOLECULAR AND CELLULAR ASPECTS OF DEVELOPMENT	5T32 HD07103-04	82,380
HARRINGTON, WILLIAM F	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07231-06	407,578
HENDRIX, THOMAS R	DIGESTIVE DISEASES	5T32 AM07192-05	43,630
HILLIS, WILLIAM D	SHORT-TERM RESEARCH TRAINING	1T35 AM07384-01	69,243
HUANG, RU-CHIH C	AGE-DEPENDENT NUCLEOCYTOPLASMIC INTERACTION	5T32 AG00069-02	81,946
HUGHES, WALTER T	MICROBIAL DISEASES OF INFANTS AND CHILDREN	3T32 AI07195-01S1	6,376
HUGHES, WALTER T	MICROBIAL DISEASES OF INFANTS AND CHILDREN	5T32 AI07195-02	78,119
JOHNSON, RICHARD T	NEUROVIOROLOGY AND IMMUNOLOGY	2T32 NS07000-06	93,630
LENNARZ, WILLIAM J	BIOCHEMISTRY, CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07445-04	222,215
LEVIN, JACK	PATHOPHYSIOLOGY OF HEMOSTASIS	3T32 HL07377-01S1	6,890
LEVIN, JACK	PATHOPHYSIOLOGY OF HEMOSTASIS	5T32 HL07377-02	51,226
LEVY, DAVID A	PARASITIC INFECTIONS (IMMUNOLOGY, BIOCHEMISTRY)	5T32 AI07057-03	33,704
MARGOLIS, SIMEON	ENDOCRINOLOGY, DIABETES AND METABOLOGY	5T32 AM07109-06	36,528
MAYER, MANFRED M	MOLECULAR AND CELLULAR MECHANISMS OF INFLAMMATION	5T32 AI07147-03	88,717
MIGEON, BARBARA R	HUMAN GENETICS	1T32 GM07814-01A1	59,889
MIGEON, CLAUDE J	PEDIATRIC ENDOCRINOLOGY AND METABOLISM	5T32 AM07116-06	28,749
MIGEON, CLAUDE J	PEDIATRIC ENDOCRINOLOGY AND METABOLISM	2T32 AM07116-07	47,720
MONEY, JOHN	EPHEBOLOGY AND EPHEBIATRICS	5T32 HD07111-04	45,287
MURPHY, EDMOND A	MEDICAL GENETICS	5T32 GM07471-04	139,529

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MARYLAND—Continued			
NATHANS, DANIEL	MOLECULAR GENETICS OF TUMOR VIRUSES AND CELLS	2T32 CA09139-06	148,433
NORMAN, PHILIP S	BASIC AND CLINICAL IMMUNOLOGY	5T32 AI07056-05	65,534
OWENS, ALBERT H, JR	ONCOLOGY--CHEMOTHERAPY, IMMUNOLOGY, BIOLOGY	5T32 CA09071-02	98,237
PRICE, DONALD L	EXPERIMENTAL NEUROPATHOLOGY	1T32 NS07179-01	49,034
ROBINSON, CECIL H	ANTICANCER DRUG DEVELOPMENT	5T32 CA09243-03	178,588
ROBINSON, DAVID A	VISUAL SCIENCES--MULTIDISCIPLINARY	5T32 EY07047-04	99,139
RUBIN, ROBERT J	ENVIRONMENTAL BIOLOLGY AND TOXICOLOGY	5T32 ES07067-03	269,960
SACHS, MURRAY B	AUDITORY PHYSIOLOGY	3T32 NS07049-04S1	3,603
SCHRAMM, LAWRENCE P	BIOMEDICAL ENGINEERING	2T32 GM07057-06	101,317
STRANDBERG, JOHN D	COMPARATIVE PATHOLOGY	1T15 CA09393-01	146,120
STRANDBERG, JOHN D	LABORATORY ANIMAL MEDICINE AND PATHOLOGY	2T32 RR07002-04	58,867
TALALAY, PAUL	MEDICAL SCIENTIST	2T32 GM07309-06	581,291
TS'O, PAUL O	MOLECULAR AND CELLULAR CHEMICAL CARCINOGENESIS	3T32 CA09110-05S1	130,375
WAGNER, HENRY N, JR	ONCOLOGY--TRACER PRINCIPLES	5T32 CA09199-03	150,630
WALKER, W GORDON	NUTRITIONAL AND METABOLIC ASPECTS OF RENAL DISEASE	2T32 AM07145-07	48,198
WEISFELDT, MYRON L	PATHOPHYSIOLOGY OF MYOCARDIAL DISEASES	5T32 HL07227-05	98,136
WINKELSTEIN, JERRY A	PEDIATRIC ALLERGY AND IMMUNOLOGY	2T32 AI07007-06	49,799
ORGANIZATION TOTAL	49 5,146,441		
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE ZIP CODE 21201			
BARRACLOUGH, CHARLES A	REPRODUCTIVE BIOLOGY	5T32 HD07170-02	60,098
ORGANIZATION TOTAL	1 60,098		
STATE TOTAL	50 5,206,539		
MASSACHUSETTS			
AMHERST			
UNIVERSITY OF MASSACHUSETTS AT AMHERST ZIP CODE 01003			
FULLER, R C	MOLECULAR AND CELLULAR BIOLOGY	5T32 GM07473-04	61,886
HONIGBERG, BRONISLAW M	EXPERIMENTAL PARASITOLOGY	5T32 AI07109-04	70,895
ORGANIZATION TOTAL	2 132,781		
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL ZIP CODE 02115			
BRENNER, BARRY M	NEPHROLOGY	5T32 AM07241-04	72,661
BUNN, H FRANKLIN	HEMATOLOGY	2T32 HL07142-06	72,913
COTRAN, RAMZI S	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07066-06	140,209
INGRAM, ROLAND H, JR	PULMONARY-RESPIRATORY DISEASES	2T32 HL07010-06	142,042
LARSEN, P REED	ACADEMIC ENDOCRINOLOGY	5T32 AM07315-02	48,686
TRIER, JERRY S	ALIMENTARY TRACT RESEARCH IN HEALTH AND DISEASE	5T32 AM07121-06	27,034
TRIER, JERRY S	ALIMENTARY TRACT RESEARCH IN HEALTH AND DISEASE	2T32 AM07121-07	92,246
WILLIAMS, GORDON H	HYPERTENSION	3T32 HL07236-04S1	7,603
WILLIAMS, GORDON H	HYPERTENSION	5T32 HL07236-05	93,278
WILSON, RICHARD E	SURGICAL ONCOLOGY	5T32 CA09280-03	74,530
ORGANIZATION TOTAL	10 771,202		
AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL ZIP CODE 02120			
AUSTEN, K FRANK	IMMUNOLOGIC BASIS OF RESISTANCE AND HYPERSENSITIVITY	5T32 AI07167-03	155,518
AUSTEN, K FRANK	MECHANISMS OF ARTHRITIC AND DERMATOLOGIC DISORDERS	2T32 AM07031-06	113,227
ORGANIZATION TOTAL	2 268,745		
BETH ISRAEL HOSPITAL ZIP CODE 02215			
EPSTEIN, FRANKLIN H	KIDNEY AND MEMBRANE TRANSPORT AND METABOLISM	5T32 AM07199-04	46,120
GESCHWIND, NORMAN	BASIC NEUROSCIENCES	1T32 NS07211-01	46,862
PEPPERCORN, MARK A	GASTROENTEROLOGY	5T32 AM07183-05	56,093
ROBINSON, STEPHEN H	HEMATOLOGY	9T32 HL07516-07	97,420

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
ROBINSON, STEPHEN H	HEMATOLOGY	5T32 AM07026-06	30,314
SILEN, WILLIAM	TRAUMA AND BURNS	1T32 GM07806-01	111,003
ORGANIZATION TOTAL	6 387,812		
BOSTON BIOMEDICAL RESEARCH INSTITUTE ZIP CODE 02114			
GERGELY, JOHN	ENERGY METABOLISM OF CARDIAC AND SKELETAL MUSCLE	5T32 HL07266-04	66,977
ORGANIZATION TOTAL	1 66,977		
BOSTON UNIVERSITY ZIP CODE 02215			
BRECHER, PETER I	CARDIOVASCULAR BIOCHEMISTRY	3T32 HL07429-01S1	1,231
BRECHER, PETER I	CARDIOVASCULAR BIOCHEMISTRY	5T32 HL07429-02	116,250
BRODY, JEROME S	BIOLOGY OF THE LUNG: A MULTIDISCIPLINARY PROGRAM	2T32 HL07035-06	293,099
CHOBANIAN, ARAM V	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07308-04	14,453
COHEN, ALAN S	RHEUMATOLOGY	3T32 AM07014-05S1	38,985
COHEN, ALAN S	RHEUMATOLOGY	2T32 AM07014-06	91,662
HOOD, WILLIAM B, JR	BASIC SCIENCE CARDIOVASOLOGY	3T32 HL07224-04S1	5,772
HOOD, WILLIAM B, JR	BASIC SCIENCE CARDIOVASOLOGY	5T32 HL07224-05	141,225
LEIBOWITZ, HOWARD M	VISION RESEARCH--MULTIDISCIPLINARY	5T32 EY07054-03	161,483
LEVINSKY, NORMAN G	NEPHROLOGY	5T32 AM07053-06	31,845
LEVINSKY, NORMAN G	NEPHROLOGY	2T32 AM07053-07	103,029
MELBY, JAMES C	ENDOCRINE AND METABOLIC RESEARCH	5T32 AM07201-05	60,646
PETERS, ALAN	NEUROANATOMY	3T32 NSG7152-01S1	3,650
PETERS, ALAN	NEUROANATOMY	5T32 NS07152-02	54,851
SIMONS, ELIZABETH R	BLOOD DISEASES AND RESOURCES	1T32 HL07501-01	76,254
SINEX, F MAROTT	RESEARCH ON AGING AND THE AGED	3T32 AG00059-01S1	3,192
SINEX, F MAROTT	RESEARCH ON AGING AND THE AGED	5T32 AG00059-02	126,938
SMALL, DONALD M	LIPOPROTEINS & ATHEROSCLEROTIC LESIONS PHYSICAL CHEM	3T32 HL07291-03S1	6,425
SMALL, DONALD M	LIPOPROTEINS & ATHEROSCLEROTIC LESIONS PHYSICAL CHEM	5T32 HL07291-04	65,981
ORGANIZATION TOTAL	19 1,396,971		
CHILDREN'S HOSPITAL MEDICAL CENTER ZIP CODE 02115			
FOX, THOMAS O	DEVELOPMENTAL NEUROLOGY	3T32 NS07017-04S1	4,338
FYLER, DONALD C	CARDIOVASCULAR DISEASE--INFANCY, CHILDHOOD & ADOLESCENCE	5T32 HL07193-03	143,006
GRAND, RICHARD J	PEDIATRIC GASTROENTEROLOGY	5T32 AM07333-02	103,144
NATHAN, DAVID G	PATHOPHYSIOLOGY OF HUMAN BLOOD CELLS	2T32 HL07146-06	131,507
SIDMAN, RICHARD L	DEVELOPMENTAL NEUROLOGY	2T32 NS07017-05	62,291
ORGANIZATION TOTAL	5 444,286		
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION ZIP CODE 02114			
DOHLMAN, CLAES H	PHYSIOLOGY AND BIOCHEMISTRY OF CORNEAL DISEASE	3T32 EY07018-05S1	4,130
SCHEPENS, CHARLES L	VISUAL SCIENCES--INTERDISCIPLINARY	5T32 EY07028-04	77,568
ORGANIZATION TOTAL	2 81,698		
HARVARD UNIVERSITY ZIP CODE 02115			
ABELMANN, WALTER H	CARDIOVASCULAR RESEARCH	3T32 HL07374-02S1	11,088
ABELMANN, WALTER H	CARDIOVASCULAR RESEARCH	5T32 HL07374-03	185,385
ABRAMS, HERBERT L	IMAGING METHODS FOR CANCER	5T32 CA09341-02	94,212
ABRAMS, HERBERT L	CARDIOVASCULAR RADIOLOGY	3T32 HL07334-02S1	718
ABRAMS, HERBERT L	CARDIOVASCULAR RADIOLOGY	5T32 HL07334-03	98,516
ADELSTEIN, S JAMES	MEDICAL SCIENTIST	5T32 GM07753-02	534,538
BECKWITH, JONATHAN R	GENE EXPRESSION REGULATION IN PROKARYOTES & EUKARYOTES	2T32 GM07196-06	187,690
BELLVE, ANTHONY R	SYSTEMS AND INTEGRATIVE BIOLOGY	2T32 GM07258-06	126,067
BENACERRAF, BARUJ	IMMUNOLOGY	2T32 CA09130-06	197,783
BIGGERS, JOHN D	REPRODUCTIVE BIOLOGY	5T32 HD07130-03	57,740
BJARNGARD, BENGT E	MEDICAL RADIOLOGICAL PHYSICS	3T32 CA09088-05S1	7,498
BJARNGARD, BENGT E	PHYSICS OF RADIATION THERAPY	5T32 CA09234-02	44,982
BUNN, H FRANKLIN	HEMATOLOGY	3T32 HL07142-05S1	12,057
ERBE, RICHARD W	GENETICS	5T32 GM07748-02	90,206
FISCHBACH, GERALD D	DEVELOPMENTAL NEUROBIOLOGY	3T32 NS07009-05S1	5,127
FISCHBACH, GERALD D	DEVELOPMENTAL NEUROLOGY	2T32 NS07009-06	88,175
FITZPATRICK, THOMAS B	DERMATOLOGY	5T32 AM07098-06	25,631

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
FITZPATRICK, THOMAS B	DERMATOLOGY	2T32 AM07098-07	90,582
GESCHWIND, NORMAN	SENSORY PHYSIOLOGY AND BIOPHYSICS	3T32 NS07011-04S1	3,408
GLIMCHER, MELVIN J	ACADEMIC ORTHOPEDICS	5T32 AM07112-04	45,572
GOLDBERG, IRVING H	PHARMACOLOGICAL SCIENCES	2T32 GM07306-06	98,564
HELLMAN, SAMUEL	ACADEMIC RADIOTHERAPY	5T32 CA09221-03	97,584
HORTON, JOHN E	PERIODONTIA	2T32 De07010-06	205,483
HUANG, ALICE S	VIRUS-HOST INTERACTIONS IN CANCER	2T32 CA09031-06	207,766
HUTCHISON, GEORGE B	CANCER EPIDEMIOLOGY	5T32 CA09001-06	79,212
KARNOVSKY, MORRIS J	CELLULAR AND DEVELOPMENTAL BIOLOGY	2T32 GM07226-06	161,494
KING, NORVAL W, JR	VETERINARY AND COMPARATIVE PATHOLOGY	5T32 RR07000-06	100,035
LITTLE, JOHN B	RADIATION BIOLOGY	2T32 CA09078-06	180,919
MEAD, JERE	MULTIDISCIPLINARY RESPIRATORY DISEASES	3T32 HL07118-05S1	25,920
MEAD, JERE	MULTIDISCIPLINARY RESPIRATORY DISEASES	2T32 HL07118-06	181,522
MOORREES, COENRAAD F	CRANIOFACIAL ANOMALIES	5T32 DE07008-05	162,981
MOSTELLER, C FREDERICK	BIOMETRY/EPIDEMIOLOGY--BIOSTATISTICS	5T32 CA09337-02	146,981
O'CONNOR, NICHOLAS E	TRAUMA AND BURN RESEARCH	5T32 GM07560-04	45,114
PERLMAN, ROBERT L	ENDOCRINOLOGY	5T32 AM07337-03	124,284
POTTER, DAVID D	NEUROBIOLOGY	5T32 NS07112-04	191,830
SHAW, JAMES H	SHORT-TERM RESEARCH TRAINING	1T35 DE07100-01	8,683
SMITH, THOMAS W	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07049-05S1	25,660
SMITH, THOMAS W	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07049-06	292,809
SPEIZER, FRANK E	CLINICAL EPIDEMIOLOGY OF LUNG AND HEART DISEASE	3T32 HL07427-01A1S2	15,880
SPEIZER, FRANK E	CLINICAL EPIDEMIOLOGY OF LUNG AND HEART DISEASE	5T32 HL07427-02	114,377
SWARTZ, MORTON N	INFECTIOUS DISEASE AND BASIC MICROBIOLOGICAL MECHANISMS	5T32 AI07061-05	176,927
UNANUE, EMIL R	IMMUNOLOGY	3T32 CA09141-05S1	75,318
WIESEL, TORSTEN N	BASIC NEUROBIOLOGICAL SCIENCES	5T32 EY07042-04	75,422
ORGANIZATION TOTAL	43 4,701,740		
JOSLIN DIABETES FOUNDATION ZIP CODE 02215			
CAHILL, GEORGE F, JR	DIABETES AND METABOLISM	5T32 AM07260-04	65,865
ORGANIZATION TOTAL	1 65,865		
MASSACHUSETTS EYE AND EAR INFIRMARY ZIP CODE 02114			
CHYLACK, LEO T, JR	OPHTHALMOLOGY	5T32 EY07063-02	141,355
ORGANIZATION TOTAL	1 141,355		
MASSACHUSETTS GENERAL HOSPITAL ZIP CODE 02114			
BLOCH, KURT J	IMMUNOLOGY AND IMMUNOPATHOLOGY	5T32 AI07040-05	85,542
BROWNELL, GORDON L	RADIOLOGICAL PHYSICS	1T32 CA09362-01	87,962
BURKE, JOHN F	RESEARCH IN BURNS AND TRAUMA	5T32 GM07035-06	60,707
COLVIN, ROBERT B	IMMUNOLOGY AND TUMORS	5T32 CA09216-03	125,626
ERBE, RICHARD W	DEVELOPMENTAL MEDICINE	5T32 HD07092-05	126,630
FALLON, JOHN T	CARDIOVASCULAR AND PULMONARY PATHOLOGY	1T32 HL07469-01	47,751
HABER, EDGAR	CARDIOLOGY--MULTIDISCIPLINARY	3T32 HL07208-04S1	2,924
HABER, EDGAR	CARDIOLOGY--MULTIDISCIPLINARY	5T32 HL07208-05	98,416
ISSELBACHER, KURT J	GASTROINTESTINAL DISEASE	5T32 AM07191-05	126,512
KAZEMI, HOMAYOUN	PULMONARY PATHOPHYSIOLOGY	5T32 HL07354-03	98,249
KITZ, RICHARD J	BASIC SCIENCE RESEARCH--ANESTHESIOLOGY	5T32 GM07592-03	97,897
KRANE, STEPHEN M	CONNECTIVE TISSUE STRUCTURE, FUNCTION AND DISEASE	5T32 AM07258-04	46,315
MARTIN, JOSEPH B	NEUROLOGY AND NEUROSURGERY	1T32 NS07170-01	81,137
POTTS, JOHN T, JR	ENDOCRINOLOGY AND DIABETES	2T32 AM07028-06	182,495
RUSSELL, PAUL S	IMMUNOGENETICS, TRANSPLANTATION, AND TUMOR IMMUNOLOGY	5T32 AI07027-05	22,703
STOSSEL, THOMAS P	ONCOLOGY AND HEMATOLOGY	5T32 CA09321-03	74,260
STRAUSS, HARRY W	CARDIOVASCULAR NUCLEAR MEDICINE	5T32 HL07416-03	105,589
ORGANIZATION TOTAL	17 1,470,715		
NEW ENGLAND MEDICAL CENTER HOSPITAL ZIP CODE 02111			
COHEN, JORDAN J	RENAL AND ELECTROLYTE PHYSIOLOGY	5T32 AM07078-05	91,284
DESFORGES, JANE F	RESEARCH IN BLOOD COMPONENTS	3T32 HL07437-02S1	21,192
DESFORGES, JANE F	RESEARCH IN BLOOD COMPONENTS	5T32 HL07437-03	92,070
FANBURG, BARRY L	MULTIDISCIPLINARY RESPIRATORY DISEASES	3T32 HL07053-05S1	3,596

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
FANBURG, BARRY L	BIOCHEMISTRY, METABOLISM, AND IMMUNOLOGY OF THE LUNG	2T32 HL07053-06	66,310
KAPLAN, MARSHALL M	BIOCHEMISTRY AND IMMUNOLOGY OF DIGESTIVE DISEASES	2T32 AM07024-05	62,948
PAUKER, STEPHEN G	CLINICAL DECISION-MAKING	1T15 LM07027-01	122,784
REICHLIN, SEYMOUR	CLINICAL AND BASIC NEUROENDOCRINOLOGY	2T32 AM07039-06	92,831
SCHWARTZ, BERNARD	VISUAL SCIENCES	5T32 EY07045-04	105,850
ORGANIZATION TOTAL	9 658,865		
SIDNEY FARBER CANCER INSTITUTE ZIP CODE 02115			
FREI, EMIL, III	CANCER TREATMENT AND RESTORATIVE CARE	5T32 CA09172-06	258,849
PARDEE, ARTHUR B	MOLECULAR ANALYSIS OF NEOPLASTIC DISEASE	1T32 CA09361-01	215,144
ORGANIZATION TOTAL	2 473,993		
TUFTS UNIVERSITY ZIP CODE 02111			
LESKOWITZ, SIDNEY	SHORT-TERM RESEARCH TRAINING	1T35 HD07225-01	65,124
PARK, JAMES T	MOLECULAR BIOLOGY OF BASIC CELL FUNCTIONS	2T32 GM07310-06	58,273
ORGANIZATION TOTAL	2 123,397		
TUFTS-NEW ENGLAND MEDICAL CENTER ZIP CODE 02111			
STERNICK, EDWARD S	RADIATION ONCOLOGY	3T32 CA09045-05S1	16,334
ORGANIZATION TOTAL	1 16,334		
CAMBRIDGE			
HARVARD UNIVERSITY ZIP CODE 02138			
JENKINS, FARISH A, JR	BIOLOGY OF THE MUSCULOSKELETAL SYSTEM	2T32 GM07117-06	60,394
LOSICK, RICHARD M	GENETICS	5T32 GM07620-03	211,939
MESELSON, MATTHEW S	BIOCHEMISTRY, CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07598-03	451,701
ORGANIZATION TOTAL	3 724,034		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY ZIP CODE 02139			
BRAIDA, LOUIS D	AUDITORY PERCEPTION IN NORMAL AND IMPAIRED LISTENERS	3T32 NS07099-03S1	7,471
BROWN, GENE M	BIOLOGICAL SCIENCES	2T32 GM07287-06	775,251
BUCHI, GEORGE H	CARCINOGENESIS AND DRUG DEVELOPMENT	2T32 CA09112-06	322,903
EISEN, HERMAN N	IMMUNOLOGY	5T32 CA09255-03	122,423
HELD, RICHARD M	STUDIES OF INTEGRATIVE SYSTEMS	5T32 GM07484-04	144,951
MUNRO, HAMISH N	BASIC NUTRITION	5T32 AM07095-06	46,473
PEAKE, WILLIAM T	AUDITORY PHYSIOLOGY	3T32 NS07047-03S1	3,767
PEAKE, WILLIAM T	AUDITORY PHYSIOLOGY	5T32 NS07047-04	74,377
SCRIMSHAW, NEVIN S	CLINICAL NUTRITION FOR PHYSICIANS	5T32 AM07070-05	190,592
SINSKEY, ANTHONY J	MICROBIOLOGY AND BIOTECHNOLOGY IN DRUG DEVELOPMENT	5T32 CA09258-03	112,210
STEVENS, KENNETH N	SPEECH SCIENCES	2T32 NS07040-06	65,691
WOGAN, GERALD N	ENVIRONMENTAL TOXICOLOGY	2T32 ES07020-06	251,336
ORGANIZATION TOTAL	12 2,117,445		
WALTHAM			
BRANDEIS UNIVERSITY ZIP CODE 02154			
HALVORSON, HARLYN O	GENETIC AND BIOCHEMICAL MECHANISMS OF REGULATION	2T32 GM07122-06	84,101
JENCKS, WILLIAM P	BASIC BIOMEDICAL SCIENCES	5T32 AM07251-04	45,831
LOWENSTEIN, JOHN M	BIOLOGICAL STRUCTURE AND FUNCTION	5T32 GM07596-03	256,249
MACEACHRON, ANN E	MENTAL RETARDATION	5T32 HD07194-02	126,506
NISONOFF, ALFRED	INVESTIGATION OF MECHANISMS IN THE IMMUNE RESPONSE	5T32 AI07069-04	57,877
ORGANIZATION TOTAL	5 570,564		
EUNICE KENNEDY SHRIVER CENTER FOR MENTAL RETARDATION ZIP CODE 02154			
MC CLUER, ROBERT H	MENTAL RETARDATION AND BIOLOGICAL RESEARCH	5T32 HD07164-02	37,912
ORGANIZATION TOTAL	1 37,912		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MASSACHUSETTS—Continued			
WOODS HOLE			
MARINE BIOLOGICAL LABORATORY ZIP CODE 02543			
GROSS, PAUL R	EMBRYOLOGY	5T35 HD07098-04	46,097
GROSS, PAUL R	PHYSIOLOGY AND MOLECULAR BIOLOGY	5T35 GM07784-02	98,577
GROSS, PAUL R	NEUROBIOLOGY	5T35 NS07165-02	65,717
ORGANIZATION TOTAL 3	210,391		
WORCESTER			
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER ZIP CODE 01605			
BRAVERMAN, LEWIS E	INTERDISCIPLINARY STUDIES OF HORMONE FUNCTION	5T32 AM07302-03	91,041
ORGANIZATION TOTAL 1	91,041		
STATE TOTAL 148	14,954,123		
MICHIGAN			
ANN ARBOR			
UNIVERSITY OF MICHIGAN AT ANN ARBOR ZIP CODE 48109			
ALPERN, MATHEW	VISION RESEARCH	2T32 EY07022-06	39,628
AVERY, JAMES K	SHORT-TERM RESEARCH TRAINING	1T35 DE07101-01	19,537
BEIERWALTES, WILLIAM H	NUCLEAR MEDICINE	5T32 CA09015-06	139,361
BERNSTEIN, ISADORE A	ENVIRONMENTAL BIOLOGY. EPIDERMAL NEO- AND HYPERPLASIA	5T32 AM07236-05	56,750
BOHR, DAVID F	SHORT-TERM RESEARCH TRAINING	1T35 NS07197-01	52,099
BOLE, GILES G, JR	ARTHRITIS	5T32 AM07080-05	90,812
BREWER, GEORGE J	GENETICS	5T32 GM07544-03	295,232
COHEN, BENNETT J	LABORATORY ANIMAL SCIENCE AND MEDICINE	5T32 RR07008-04	91,226
CORNISH, HERBERT H	ENVIRONMENTAL TOXICOLOGY RESEARCH	5T32 ES07062-02	148,822
CRAIG, ROBERT G	RESTORATIVE DENTAL MATERIALS	5T32 DE07057-05	97,828
DE MUTH, GEORGE R	BIOMEDICAL SCIENCES	1T32 GM07863-01	39,758
FAJANS, STEFAN S	ENDOCRINOLOGY AND METABOLISM	3T32 AM07245-03S1	928
FAJANS, STEFAN S	ENDOCRINOLOGY AND METABOLISM	2T32 AM07245-04	90,854
FOLK, WILLIAM R	BIOCHEMICAL GENETICS OF TUMOR VIRUS-CELL INTERACTIONS	5T32 CA09281-02	68,376
HAGEN, JOHN W	DEVELOPMENTAL PSYCHOLOGY	5T32 HD07109-04	150,889
HAWKINS, JOSEPH E, JR	AUDITORY AND VESTIBULAR MECHANISMS AND DISTURBANCES	5T32 NS07106-04	20,495
HENLEY, KEITH S	GASTROENTEROLOGY	1T32 AM07367-01	45,507
HERMALIN, ALBERT I	POPULATION AND HUMAN ECOLOGY	5T32 HD07064-03	105,151
HIGGINS, IAN T	RESPIRATORY DISEASES--EPIDEMIOLOGY	3T32 HL07337-02S1	5,944
HIGGINS, IAN T	RESPIRATORY DISEASES--EPIDEMIOLOGY	5T32 HL07337-03	132,351
LEVINE, MYRON	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07315-06A1	55,597
LO BUGLIO, ALBERT F	ONCOLOGY	1T32 CA09357-01	71,293
LO BUGLIO, ALBERT F	HEMATOLOGY	1T32 AM07359-01	66,801
MIDGLEY, A REES, JR	REPRODUCTIVE ENDOCRINOLOGY	3T32 HD07048-05S1	25,294
MIDGLEY, A REES, JR	REPRODUCTIVE ENDOCRINOLOGY	2T32 HD07048-06	75,082
MUELLER, EVA L	ECONOMIC DEMOGRAPHY	5T32 HD07060-05	111,772
NEEL, JAMES V	GENETICS	2T32 GM07123-06	102,290
SCHORK, MICHAEL A	HEART AND VASCULAR DISEASES--BIOSTATISTICAL	5T32 HL07082-05	47,618
SUSSMAN, ALFRED S	MEDICINAL CHEMISTRY--INTERDEPARTMENTAL	5T32 GM07767-03	226,135
TANNEN, RICHARD L	NEPHROLOGY	1T32 AM07378-01	47,909
VOORHEES, JOHN J	CELL AND MOLECULAR DERMATOLOGY	5T32 AM07197-04	86,742
ORGANIZATION TOTAL 31	2,608,081		
DETROIT			
WAYNE STATE UNIVERSITY ZIP CODE 48202			
HARDING, CLIFFORD V	CELLULAR BASIS OF OCULAR DISORDERS	5T32 EY07034-04	47,974
LEON, MYRON A	CANCER IMMUNOLOGY AND VIROLOGY	5T32 CA09304-03	124,110

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MICHIGAN—Continued			
PARRISH, CHARLES J	SOCIAL POLICY AND AGING	5T32 AG00002-04	82,044
POLGAR, GEORGE	RESEARCH TECHNIQUES AND THEIR APPLICATION	5T32 HL07228-04	46,519
SWANBORG, ROBERT H	AUTOIMMUNITY	5T32 AI07118-02	79,105
ORGANIZATION TOTAL	5 379,752		
EAST LANSING			
MICHIGAN STATE UNIVERSITY	**ZIP CODE 48824**		
BRODY, THEODORE M	PHARMACOLOGY AND TOXICOLOGY	5T32 GM07392-04	85,582
CHOU, CHING-CHUNG	SHORT-TERM RESEARCH TRAINING	1T35 HL07507-01	62,424
MC CORMICK, J JUSTIN	ENVIRONMENTAL MUTAGENESIS-CARCINOGENESIS	5T32 ES07076-03	78,240
SCOTT, JERRY B	CARDIOVASCULAR PHYSIOLOGY AND PATHOPHYSIOLOGY	5T32 HL07404-03	102,263
TROSKO, JAMES E	CARCINOGENESIS	5T32 CA09284-02	42,530
WILLIAMS, JEFFREY F	EXPERIMENTAL PARASITOLOGY	5T32 AI07203-02	62,484
ORGANIZATION TOTAL	6 433,523		
ROCHESTER			
OAKLAND UNIVERSITY	**ZIP CODE 48063**		
REDDY, VENKAT N	OPHTHALMIC PHYSIOLOGY AND BIOCHEMISTRY	5T32 EY07044-04	14,904
ORGANIZATION TOTAL	1 14,904		
STATE TOTAL	43 3,436,260		
MINNESOTA			
DULUTH			
UNIVERSITY OF MINNESOTA AT DULUTH	**ZIP CODE 55812**		
POZOS, ROBERT S	INDIAN RESEARCH CAREERS--PHYSIOLOGY	5T32 GM07680-03	90,160
ORGANIZATION TOTAL	1 90,160		
MINNEAPOLIS			
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL	**ZIP CODE 55455**		
ACKERMAN, EUGENE	HEALTH COMPUTER SCIENCES	5T15 LM00160-07	192,846
BLACKBURN, HENRY W	PREVENTION OF CARDIOVASCULAR DISEASES	3T32 HL07036-03S1	3,862
BLACKBURN, HENRY W	PREVENTION OF CARDIOVASCULAR DISEASES	5T32 HL07036-04	86,044
CARPENTER, ANNA M	DIABETES RESEARCH	5T32 AM07196-05	39,261
COHN, JAY N	MULTIDISCIPLINARY CARDIOVASCULAR RESEARCH	5T32 HL07184-05	153,044
GOLTZ, ROBERT W	ACADEMIC DERMATOLOGY	5T32 AM07165-05	45,599
HOLMAN, RALPH T	LIPID RESEARCH	3T32 HL07311-02S1	8,789
HOLMAN, RALPH T	LIPID RESEARCH	5T32 HL07311-03	95,446
JACOB, HARRY S	HEMOGLOBIN AND CELL MEMBRANE RESEARCH	5T32 HL07062-04	100,293
KATZ, RALPH V	DENTISTRY	2T32 DE07014-06A1	71,309
KJELSBERG, MARCUS O	BIOMETRY OF CARDIOVASCULAR CLINICAL TRIALS	2T32 HL07023-06	86,304
KRIVIT, WILLIAM	HEMATOLOGY	2T32 HL07145-06A1	71,301
KRONENBERG, RICHARD S	MULTIDISCIPLINARY CARDIOLOGY	5T32 HL07009-05	40,643
LUCAS, RUSSELL V, JR	PEDIATRIC CARDIOLOGY	3T32 HL07359-02S1	1,176
LUCAS, RUSSELL V, JR	PEDIATRIC CARDIOLOGY	5T32 HL07359-03	74,754
LUEPKER, RUSSELL V	BEHAVIORAL ASPECTS OF CARDIOVASCULAR DISEASE	3T32 HL07328-02S1	656
LUEPKER, RUSSELL V	BEHAVIORAL ASPECTS OF CARDIOVASCULAR DISEASE	5T32 HL07328-03	128,703
MIRKIN, BERNARD L	DEVELOPMENTAL AND PEDIATRIC CLINICAL PHARMACOLOGY	5T32 GM07466-04	46,983
NAJARIAN, JOHN S	IMMUNOLOGY AND ITS RELATION TO SURGERY	5T32 CA09024-06	49,921
OPPENHEIMER, JACK H	DIABETES, ENDOCRINOLOGY, AND METABOLISM	2T32 AM07203-04	70,542
PAPARELLA, MICHAEL M	OTOLARYNGOLOGY	5T32 NS07084-04	31,299
PICK, HERBERT L, JR	CENTER FOR RESEARCH IN HUMAN LEARNING	5T32 HD07151-03	193,331
PLAGEMANN, PETER G	MICROBIOLOGY--CANCER	2T32 CA09138-06	179,693
PORTOGHESE, PHILIP S	MEDICINAL CHEMISTRY	5T32 GM07480-04	51,562

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MINNESOTA—Continued			
QUIE, PAUL G	INFECTIOUS DISEASES IN PEDIATRICS	5T32 AI07054-04	102,575
ROSENBERG, ANDREAS	SHORT-TERM RESEARCH TRAINING	1T35 HL07480-01	32,562
SAUERBIER, WALTER	GENETIC MECHANISMS AND REGULATION	2T32 GM07094-06A1	75,159
SHIDEMAN, FREDERICK E	PHARMACOLOGY, TOXICOLOGY AND ALLIED SCIENCES	5T32 GM07397-04	176,370
SINGER, LEON	SHORT-TERM RESEARCH TRAINING	1T35 DE07098-01	12,985
VERNIER, ROBERT L	PEDIATRIC NEPHROLOGY	5T32 AM07087-06	49,688
VERNIER, ROBERT L	PEDIATRIC NEPHROLOGY	2T32 AM07087-07	123,541
WANNAMAKER, LEWIS W	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07116-05S1	8,510
WANNAMAKER, LEWIS W	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07116-06	86,119
WARNER, HUBER R	CHEMICAL BASES OF CELL AND MOLECULAR BIOLOGY	2T32 GM07323-06A1	29,429
WILSON, IVAN D	DIGESTIVE AND LIVER DISEASES	5T32 AM07177-05	59,717
ORGANIZATION TOTAL	35 2,580,016		
ROCHESTER			
MAYO FOUNDATION ZIP CODE 55901			
BLINKS, JOHN R	PHARMACOLOGY	5T32 GM07624-02	33,596
FATHMAN, C GARRISON	ARTHRITIS	5T32 AM07034-06	14,950
GERICH, JOHN E	DIABETES AND METABOLISM	5T32 AM07352-02	45,604
GLEICH, GERALD J	ALLERGIC DISEASES	5T32 AI07047-05	55,953
GO, VAY L	DIGESTIVE DISEASES--MULTIDISCIPLINARY	5T32 AM07198-05	77,052
GORMAN, COLUM A	ENDOCRINOLOGY AND METABOLISM	5T32 AM07147-05	103,019
HYATT, ROBERT E	LUNG DISEASES	3T32 HL07222-04S1	11,791
HYATT, ROBERT E	LUNG DISEASES	5T32 HL07222-05	46,448
KNOX, FRANKLYN G	KIDNEY DISEASES	2T32 AM07013-06	97,949
KOTTKE, BRUCE A	ATHEROSCLEROSIS AND NUTRITION	5T32 HL07329-03	42,078
MANN, KENNETH G	BLOOD BANKING SCIENCES AND RELATING PROGRAMS	3T32 HL07069-05S1	11,146
MANN, KENNETH G	BLOOD BANKING SCIENCES AND RELATING PROGRAMS	2T32 HL07069-06	70,290
ROMERO, JUAN C	HYPERTENSION--MULTIDISCIPLINARY	1T35 HL07464-01	14,620
RYAN, ROBERT J	REPRODUCTIVE BIOLOGY	5T32 HD07108-04	51,388
TANCREDI, ROBERT G	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07111-05S1	14,009
TANCREDI, ROBERT G	CARDIOVASOLOGY	2T32 HL07111-06	143,897
TONIASI, THOMAS B, JR	TUMOR IMMUNOLOGY	2T32 CA09127-06	180,883
WEINSHILBOUM, RICHARD M	HYPERTENSION (MULTIDISCIPLINARY)	3T32 HL07269-03S1	15,439
WEINSHILBOUM, RICHARD M	HYPERTENSION (MULTIDISCIPLINARY)	5T32 HL07269-04	138,589
ORGANIZATION TOTAL	19 1,168,701		
STATE TOTAL	55 3,838,877		
MISSISSIPPI			
JACKSON			
JACKSON STATE UNIVERSITY ZIP CODE 39217			
SULLIVAN, RICHARD H	BIOMEDICAL SCIENCES	5T32 GM07672-04	109,135
ORGANIZATION TOTAL	1 109,135		
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER ZIP CODE 39216			
COLEMAN, THOMAS G	SYSTEMS ANALYSIS: THE CIRCULATION AND HYPERTENSION	3T32 HL07270-02S1	6,853
COLEMAN, THOMAS G	SYSTEMS ANALYSIS: THE CIRCULATION AND HYPERTENSION	5T32 HL07270-03	96,376
COLEMAN, THOMAS G	SYSTEMS AND INTEGRATIVE BIOLOGY	5T32 GM07600-03	43,220
HAYES, A WALLACE	TOXICOLOGY	5T32 ES07045-04	81,633
KLEIN, RICHARD L	HYPERTENSION RESEARCH PROGRAM	5T35 HL07392-03	42,626
ORGANIZATION TOTAL	5 270,708		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MISSISSIPPI—Continued			
TOUGALOO			
TOUGALOO COLLEGE ZIP CODE 39174			
MEHROTRA, BHARATI	BIOMEDICAL SCIENCES	5T32 GM07651-04	61,287
ORGANIZATION TOTAL	1 61,287		
STATE TOTAL	7 441,130		
MISSOURI			
COLUMBIA			
UNIVERSITY OF MISSOURI-COLUMBIA ZIP CODE 65201			
DAVIS, JAMES O	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07094-05S1	3,708
DAVIS, JAMES O	CARDIOVASCULAR/RENAL PHYSIOL.-PHARMACOL./BIOCHEMISTRY	2T32 HL07094-06	103,988
EISENSTARK, ABRAHAM	GENETICS	5T32 GM07494-04	57,533
HARRIS, PATRICK H	CARDIOVASCULAR CONTROL IN ALTERED METABOLIC STATES	5T32 HL07187-05	41,260
JONES, ALLAN W	GENESIS AND MAINTENANCE OF EXPERIMENTAL HYPERTENSION	5T35 HL07394-03	16,097
LINDBERG, DONALD A	MEDICAL INFORMATION SCIENCES	2T15 LM07006-06	185,211
MIDDLETON, CHARLES C	LABORATORY ANIMAL MEDICINE	5T32 RR07004-04	68,901
SHARP, GORDON C	RHEUMATOLOGY	5T32 AM07242-02	48,902
ORGANIZATION TOTAL	8 525,600		
KANSAS CITY			
UNIVERSITY OF MISSOURI-KANSAS CITY ZIP CODE 64110			
PETERSON, WARREN A	ADULT DEVELOPMENT AND AGING--INTERUNIVERSITY	5T32 AG00074-02	162,922
ORGANIZATION TOTAL	1 162,922		
SAINT LOUIS			
ST. LOUIS UNIVERSITY ZIP CODE 63103			
GREEN, MAURICE	MOLECULAR AND TUMOR VIROLOGY	5T32 CA09222-04	108,373
OLSON, ROBERT E	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07050-05S1	2,178
OLSON, ROBERT E	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07050-06	291,245
ORGANIZATION TOTAL	3 401,796		
WASHINGTON UNIVERSITY ZIP CODE 63130			
ALPERS, DAVID H	CLINIC/LABORATORY--ACADEMIC GASTROENTEROLOGY	5T32 AM07130-06	19,529
ALPERS, DAVID H	CLINIC/LABORATORY--ACADEMIC GASTROENTEROLOGY	2T32 AM07130-07	69,184
ATKINSON, JOHN P	IMMUNOLOGY OF CONNECTIVE TISSUE DISEASES	3T32 AM07279-03S1	5,227
ATKINSON, JOHN P	IMMUNOLOGY OF CONNECTIVE TISSUE DISEASES	5T32 AM07279-04	23,509
AVIOLI, LOUIS V	MINERAL AND SKELETAL METABOLISM	5T32 AM07033-06	38,403
AVIOLI, LOUIS V	MINERAL AND SKELETAL METABOLISM	2T32 AM07033-07	84,487
BANASZAK, LEONARD J	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07067-06	320,304
BAUER, WALTER C	TUMOR BIOLOGY--MULTIRESOURCE PROGRAM	2T32 CA09118-06	256,340
BOTWINICK, JACK	AGING AND DEVELOPMENT	5T32 AG00030-04	45,952
BRENNAN, RUTH E	NUTRITION-BEHAVIORAL CARDIOVASCULAR DISEASE PREVENTION	1T32 HL07456-01	64,390
BUNGE, RICHARD P	NEUROBIOLOGY	5T32 NS07071-03	231,127
COWAN, W MAXWELL	VISUAL SCIENCES	5T32 EY07057-02	101,003
DAUGHADAY, WILLIAM H	DIABETES AND RELATED METABOLIC DISEASES	2T32 AM07120-06	183,650
EISEN, ARTHUR Z	DERMATOLOGY	5T32 AM07284-03	66,625
GLASER, LUIS	MEDICAL SCIENTIST	2T32 GM07200-06	574,137
HOLLOSZY, JOHN O	EXERCISE AS PREVENTIVE MEDICINE IN THE AGING PROCESS	1T32 AG00078-01A1	65,274
HUNT, CARLTON C	SENSORY PHYSIOLOGY AND BIOPHYSICS	5T32 NS07057-05	150,250
KLAHR, SAULO	RENAL DISEASES	5T32 AM07126-06	47,636
KLAHR, SAULO	RENAL DISEASES	2T32 AM07126-07	126,282
KOBAYASHI, GEORGE S	FUNGAL DISEASES	5T32 AI07015-05	72,596
LIEBERMAN, MICHAEL W	MECHANISMS OF DISEASE IN ENVIRONMENTAL PATHOLOGY	5T32 ES07066-04	109,914

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
MISSOURI—Continued			
LOWRY, OLIVER H	NEUROPHARMACOLOGY RESEARCH	5T32 NS07129-03	85,970
LYNCH, RICHARD G	IMMUNOLOGY AND MEMBRANES	2T32 GM07157-06	76,826
MAJERUS, PHILIP W	HEMATOLOGY	2T32 HL07088-06	195,293
MEDOFF, GERALD	INFECTIOUS DISEASE/BASIC MICROBIOLOGICAL MECHANISMS	1T32 AI07172-01A2	95,204
MOLNAR, CHARLES E	ANALYTICAL AND COMPUTATIONAL METHODS IN PHYSIOLOGY	5T32 GM07564-03	111,798
MONAFO, WILLIAM	TRAUMA AND BURNS RESEARCH	5T32 GM07602-03	65,228
NEEDLEMAN, PHILIP	BLOOD VESSELS & HEART--FUNCTION REGULATION PHARMACOLOGY	3T32 HL07275-03S1	23,381
NEEDLEMAN, PHILIP	BLOOD VESSELS & HEART--FUNCTION REGULATION PHARMACOLOGY	5T32 HL07275-04	173,811
PARKER, CHARLES W	ALLERGY AND IMMUNOLOGY	5T32 AI00112-06	76,671
PIERCE, JOHN A	PULMONARY SCIENTIST	3T32 HL07317-02S1	15,958
PIERCE, JOHN A	PULMONARY SCIENTIST	5T32 HL07317-03	116,504
PRENSKY, ARTHUR L	DEVELOPMENTAL NEUROLOGY	5T32 NS07027-05	89,989
RASKAS, HESCHEL J	MOLECULAR VIROLOGY	3T32 CA09129-05S1	116,235
SHANK, ROBERT E	NUTRITION	5T32 AM07226-04	36,674
SHERMAN, LAURENCE A	BLOOD BANKING	3T32 HL07038-05S1	4,134
SHERMAN, LAURENCE A	BLOOD BANKING	2T32 HL07038-06	73,697
SHREFFLER, DONALD C	IMMUNOLOGY AND IMMUNOGENETICS	5T32 AI07163-03	186,294
SOBEL, BURTON E	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07081-05S1	3,942
SOBEL, BURTON E	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07081-06	191,399
WILLIAMSON, JOSEPH R	CELL BIOLOGIC APPROACHES TO DIABETES RESEARCH	5T32 AM07296-03	111,900
ORGANIZATION TOTAL	41 4,506,727		
STATE TOTAL	53 5,597,045		
NEBRASKA			
BOYS TOWN			
FATHER FLANAGAN'S BOYS' HOME ZIP CODE 68010			
WATSON, CHARLES S	HUMAN COMMUNICATION AND ITS DISORDERS	1T32 NS07147-01A1	69,207
ORGANIZATION TOTAL	1 69,207		
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER ZIP CODE 68105			
METCALF, WILLIAM K	DEVELOPMENTAL BASIS OF INFANT MORBIDITY AND MORTALITY	5T32 HD07097-04	33,528
ORGANIZATION TOTAL	1 33,528		
STATE TOTAL	2 102,735		
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE ZIP CODE 03755			
LONGNECKER, DANIEL S	ONCOLOGY	1T32 CA09367-01	48,807
SMITH, ROGER P	ENVIRONMENTAL TOXICOLOGY	5T32 ES07104-02	72,891
TENNEY, STEPHEN M	RESPIRATORY PHYSIOLOGY	1T32 HL07449-01	73,347
VALTIN, HEINZ	RENAL AND NEUROHYPOPHYSICAL FUNCTION AND DISEASE	5T32 AM07301-03	38,687
ORGANIZATION TOTAL	4 233,732		
STATE TOTAL	4 233,732		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW JERSEY			
NEWARK			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY ZIP CODE 07103			
EDELMAN, NORMAN H	RESPIRATORY BIOLOGY	1T32 HL07467-01	69,896
ORGANIZATION TOTAL	1 69,896		
PISCATAWAY			
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY–RUTGERS MEDICAL SCHOOL ZIP CODE 08854			
SCHLESINGER, R WALTER	VIRAL AND CELLULAR GENOME FUNCTION IN CANCER	2T32 CA09069-06	190,764
ORGANIZATION TOTAL	1 190,764		
PRINCETON			
PRINCETON UNIVERSITY ZIP CODE 08540			
COALE, ANSLEY J	DEMOGRAPHY	5T32 HD07163-02	75,784
COX, EDWARD C	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07312-06	209,645
FRESCO, JACQUES R	CANCER	3T32 CA09167-05S1	438,870
NEWTON, AUSTIN	GENETICS	5T32 GM07388-04	154,103
WORCEL, ABRAHAM	GENETICS	5T32 GM07625-03	98,669
ORGANIZATION TOTAL	5 977,071		
STATE TOTAL	7 1,237,731		
NEW MEXICO			
ALBUQUERQUE			
UNIVERSITY OF NEW MEXICO ALBUQUERQUE ZIP CODE 87131			
GRIEGO, RICHARD J	MATHEMATICAL MODELS AND CURRICULA IN BIOLOGY	5T32 GM07661-04	91,488
KELSEY, CHARLES A	BIOMEDICAL PHYSICS AND RADIOBIOLOGY	5T32 CA09278-03	41,581
SOLOMON, SIDNEY	HYPERTENSION RESEARCH	5T35 HL07435-02	25,247
WILLIAMS, RALPH C, JR	IMMUNE MECHANISMS IN THE CONNECTIVE TISSUE DISEASES	5T32 AM07173-05	75,058
ORGANIZATION TOTAL	4 233,374		
LAS CRUCES			
NEW MEXICO STATE UNIVERSITY AT LAS CRUCES ZIP CODE 88003			
BERNSTEIN, MARVIN H	BIOMEDICAL SCIENCES	5T32 GM07667-04	82,282
ORGANIZATION TOTAL	1 82,282		
STATE TOTAL	5 315,656		
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH ZIP CODE 12237			
DODDS, W JEAN	COMPARATIVE HEMOSTASIS	3T32 HL07173-03S1	298
DODDS, W JEAN	COMPARATIVE HEMOSTASIS	5T32 HL07173-04	49,084
JANERICH, DWIGHT T	EPIDEMIOLOGY	1T14 CA09354-01A2	20,688
ORGANIZATION TOTAL	3 70,070		
UNION COLLEGE AND UNIVERSITY–ALBANY MEDICAL COLLEGE ZIP CODE 12208			
ABRAHAM, RAJENDER	COMPARATIVE ENVIRONMENTAL TOXICOLOGY	5T32 ES07058-03	106,203
LEE, KYU T	CARDIOVASCULAR DISEASE RESEARCH	5T32 HL07194-05	144,580
LEE, KYU T	SHORT-TERM RESEARCH TRAINING	1T35 HL07506-01	17,366

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
REINECKE, ROBERT D	ACADEMIC OPHTHALMOLOGY	5T32 EY07037-05	15,358
SABA, THOMAS M	TRAUMATOLOGY	2T32 GM07033-06	130,456
ORGANIZATION TOTAL	5 413,963		
BUFFALO			
MEDICAL FOUNDATION OF BUFFALO ZIP CODE 14203			
HAUPTMAN, HERBERT A	MOLECULAR ENDOCRINOLOGY	1T32 AM07368-01	46,359
ORGANIZATION TOTAL	1 46,359		
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE ZIP CODE 14263			
BOX, HAROLD C	MOLECULAR BIOLOGY OF CATASTROPHIC PROCESSES	5T32 ES07057-03	71,358
GRAHAM, SAXON	MEDICAL SOCIOLOGY, EPIDEMIOLOGY AND CANCER CONTROL	3T32 CA09051-05S1	86,171
HIGBY, DONALD J	CANCER CHEMOTHERAPY	3T32 CA09108-05S1	28,862
MIHICH, ENRICO	DRUG DEVELOPMENT AND CANCER THERAPEUTICS	5T32 CA09072-06	97,600
PAIGEN, KENNETH	MAMMALIAN BIOCHEMICAL GENETICS	2T32 GM07093-06	76,477
ORGANIZATION TOTAL	5 360,468		
STATE UNIVERSITY OF NEW YORK AT BUFFALO ZIP CODE 14260			
GENCO, ROBERT J	PERIODONTAL DISEASES	2T32 DE07034-06	221,297
MC CALL, WILLARD D, JR	SHORT-TERM RESEARCH TRAINING	1T35 DE07106-01	13,025
MILGROM, FELIX	IMMUNOLOGY	5T32 AI07088-04	84,118
MOHL, NORMAN D	NEUROMUSCULAR RESEARCH IN CLINICAL DENTISTRY	1T32 DE07089-01	48,990
MURRAY, DANIEL H	PHARMACOLOGICAL SCIENCES	2T32 GM07145-06	111,221
WEISER, MILTON M	GASTROINTESTINAL DISEASES	5T32 AM07336-02	46,658
ORGANIZATION TOTAL	6 525,309		
COLD SPRING HARBOR			
COLD SPRING HARBOR LABORATORY ZIP CODE 11724			
HICKS, JAMES B	BACTERIAL GENETICS	1T14 GM07854-01	30,197
WATSON, JAMES D	NEUROBIOLOGY	5T35 NS07163-02	86,072
ZIPSER, DAVID	CANCER CELL BIOLOGY AND TUMOR VIROLOGY	5T32 CA09311-03	186,423
ORGANIZATION TOTAL	3 302,692		
ITHACA			
CORNELL UNIVERSITY ITHACA ZIP CODE 14853			
FINK, GERALD R	GENETICS	5T32 GM07617-02	84,346
LEWIS, ROBERT M	VETERINARY PATHOLOGY	1T15 CA09399-01	100,400
LEWIS, ROBERT M	PATHOBIOLOGY OF AGING	3T32 AG00062-02S1	2,376
LEWIS, ROBERT M	PATHOBIOLOGY OF AGING	5T32 AG00062-03	99,555
MC CARTY, RICHARD E	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07273-06	382,303
NESHEIM, MALDEN C	NUTRITION	5T32 AM07158-05	79,774
SALPETER, MIRIAM M	CELLULAR AND MOLECULAR NEUROBIOLOGY	5T32 GM07469-04	31,527
WILKINSON, CHRISTOPHER F	ENVIRONMENTAL TOXICOLOGY	5T32 ES07052-04	144,837
ZILVERSMIT, DONALD B	NUTRITIONAL ASPECTS OF ARTERIOSCLEROSIS	5T32 HL07245-04	64,992
ORGANIZATION TOTAL	9 990,110		
LAKE PLACID			
TISSUE CULTURE ASSOCIATION--W. ALTON JONES CELL SCIENCE CENTER ZIP CODE 12946			
CHAPPLE, PAUL J	HISTOPATHOBIOLOGY OF NEOPLASIA	1T14 CA09379-01	83,897
CHAPPLE, PAUL J	CULTURE OF MACROPHAGES AND HUMAN MONOCYTES	1T14 CA09401-01	30,870
CHAPPLE, PAUL J	CELLULAR AGING: RELATION OF IN VITRO TO IN VIVO AGING	5T32 AG00043-03	52,928
ORGANIZATION TOTAL	3 167,695		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--CITY COLLEGE OF NEW YORK ZIP CODE 10031			
FISHMAN, MYER M	BIOMEDICAL SCIENCES	5T32 GM07639-03	83,192
ORGANIZATION TOTAL	1 83,192		
CITY UNIVERSITY OF NEW YORK--GRADUATE SCHOOL AND UNIVERSITY CENTER ZIP CODE 10036			
NELSON, KATHERINE	HUMAN DEVELOPMENT	5T32 HD07196-02	105,707
ORGANIZATION TOTAL	1 105,707		
CITY UNIVERSITY OF NEW YORK--HUNTER COLLEGE ZIP CODE 10021			
MAWE, RICHARD C	BIOMEDICAL SCIENCES	1T32 GM07823-01A1	72,408
ORGANIZATION TOTAL	1 72,408		
CITY UNIVERSITY OF NEW YORK--MEDGAR EVERS COLLEGE ZIP CODE 11225			
PAUL, DENIS F	SCIENCE CAREER OPPORTUNITIES	5T32 GM07641-04	140,172
ORGANIZATION TOTAL	1 140,172		
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE ZIP CODE 10029			
CHAIMERS, THOMAS C	SHORT TERM RESEARCH TRAINING	1T35 AM07420-01	69,286
DESMICK, ROBERT J	MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES	5T32 HD07105-04	100,711
FLEISCHMAJER, RAUL	BASIC SCIENCES APPLIED TO DERMATOLOGY	1T32 AM07376-01	47,543
HERMAN, MICHAEL V	CARDIOVASOLOGY	5T32 HL07347-03	71,410
HOLLAND, JAMES F	CHEMOTHERAPY AND CHEMOIMMUNOTHERAPY	2T32 CA09102-06	76,392
KRIEGER, DOROTHY T	ENDOCRINOLOGY (INTERDISCIPLINARY)	5T32 AM07027-04	72,729
KRULWICH, TERRY A	MEDICAL SCIENTIST	5T32 GM07280-04	142,094
NICHOLSON, WILLIAM J	BIOLOGICAL EFFECTS OF ENVIRONMENTAL AGENTS	5T32 ES07010-03	80,006
SCOTT, WALTER N	MULTIDISCIPLINARY EYE DISEASES	2T32 EY07014-06	90,836
ORGANIZATION TOTAL	9 751,009		
COLUMBIA UNIVERSITY ZIP CODE 10027			
BALAZS, ENDRE A	OPHTHALMOLOGY	2T32 EY07002-06	88,032
BEYCHOK, SHERMAN	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07216-06	163,754
BIGGER, JOHN T, JR	CARDIOVASCULAR RESEARCH	5T32 HL07406-02	123,256
BLOOM, ARTHUR D	SHORT-TERM RESEARCH TRAINING	1T35 NS07190-01	52,099
BUTLER, VINCENT P, JR	IMMUNOLOGY	5T32 AI07132-04	67,170
CALDWELL, PETER R	LUNG INJURY AND RESPIRATORY FAILURE	2T32 HL07018-06	144,582
CHIEN, SHU	RHEOLOGY IN CARDIOVASCULAR DISEASES	3T32 HL07114-05S1	4,709
CHIEN, SHU	RHEOLOGY IN CARDIOVASCULAR DISEASES	2T32 HL07114-06	169,003
EDELMAN, ISIDORE S	STEROID HORMONES, BIOCHEMISTRY AND MOLECULAR BIOLOGY	5T32 AM07328-03	120,953
FRANTZ, ANDREW G	ENDOCRINOLOGY AND METABOLISM	5T32 AM07271-04	114,312
GERSHON, MICHAEL D	NEUROBIOLOGY	5T32 NS07062-05	112,289
GERSONY, WELTON M	PEDIATRICS--CARDIOVASCULAR	3T32 HL07419-01S1	3,802
GERSONY, WELTON M	PEDIATRICS--CARDIOVASCULAR	5T32 HL07419-02	93,968
GINSBERG, HAROLD S	INFECTIOUS DISEASES--MICROBIOLOGY	5T32 AI07161-03	129,030
GLICKMAN, ROBERT M	GASTROENTEROLOGY	5T32 AM07330-03	150,309
GOODMAN, DE WITT S	ARTERIOSCLEROSIS RESEARCH	3T32 HL07343-02S1	4,777
GOODMAN, DE WITT S	ARTERIOSCLEROSIS RESEARCH	5T32 HL07343-03	234,182
HARBER, LEONARD C	PHOTOBIOLOGIC & ENVIRONMENTAL FACTORS IN SKIN DISEASE	5T32 AM07171-05	24,018
HOFFMAN, BRIAN F	CARDIAC ARRHYTHMIAS: MECHANISMS AND TREATMENT	5T32 HL07271-04	140,543
JAGIELLO, GEORGIANA M	GENETIC AND HORMONE CONTROL OF GAMETOGENESIS	5T32 HD07093-05	57,813
JAMES, L STANLEY	PERINATAL MEDICINE AND RESEARCH	3T32 HD07017-05S1	30,204
KINNEY, JOHN M	THE METABOLISM OF TRAUMA	5T32 GM07791-02	44,758
LIEBERMAN, SEYMOUR	BIOCHEMISTRY OF REPRODUCTIVE ENDOCRINOLOGY	5T32 HD07061-05	32,246
MELLINS, ROBERT B	PEDIATRIC PULMONARY RESEARCH	3T32 HL07421-01S1	8,934
MELLINS, ROBERT B	PEDIATRIC PULMONARY RESEARCH	5T32 HL07421-02	140,849
NOSSEL, HYMIE L	THROMBOSIS AND HEMOSTASIS	1T32 HL07461-01	53,391
RIFKIND, RICHARD A	HUMAN GENETICS AND DEVELOPMENT	2T32 GM07088-06	145,480
RIFKIND, RICHARD A	HEMATOLOGY	9T32 AM07373-06	114,537
RIFKIND, RICHARD A	HEMATOLOGY	5T32 GM07419-04	112,791
ROSSI, HARALD H	RADIATION BIOPHYSICS	2T32 CA09053-06	20,390

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
ROWLAND, LEWIS P	CLINICAL NEUROSCIENCES	5T32 NS07155-02	50,350
SCHACHTER, DAVID	MEDICAL SCIENTIST	5T32 GM07367-05	331,469
STEIN, ZENA A	EPIDEMIOLOGY OF MENTAL RETARDATION RESEARCH	5T32 HD07040-05	125,454
SUSSER, MERVYN W	NEUROEPIDEMIOLOGY	1T32 NS07153-01A1	108,381
WANG, HSUEH-HWA	PHARMACOLOGICAL SCIENCES	2T32 GM07182-06	136,549
WINICK, MYRON	GROWTH AND DEVELOPMENT	3T32 HD07000-05S1	52,432
WINICK, MYRON	GROWTH AND DEVELOPMENT	2T32 HD07000-06	119,122
WINICK, MYRON	NUTRITION	5T32 AM07268-03	55,842
ORGANIZATION TOTAL	38 3,681,780		
CORNELL UNIVERSITY MEDICAL CENTER ZIP CODE 10021			
BRISCOE, WILLIAM A	PULMONARY DISEASES	5T32 HL07233-05	51,282
GRAFSTEIN, BERNICE	SHORT-TERM RESEARCH TRAINING	1T35 AG00086-01	57,888
GRAFSTEIN, BERNICE	NEUROPATHOLOGY	3T32 NS07138-01S1	7,862
JAVITT, NORMAN B	BIOMEDICAL RESEARCH PROGRAM IN HEPATOBILIARY DISEASES	5T32 AM07142-06	26,663
JAVITT, NORMAN B	BIOMEDICAL RESEARCH PROGRAM IN HEPATOBILIARY DISEASES	2T32 AM07142-07	89,518
LARAGH, JOHN H	PATHOGENESIS OF HYPERTENSION AND VASCULAR DISEASE	3T32 HL07379-02S1	7,622
LARAGH, JOHN H	PATHOGENESIS OF HYPERTENSION AND VASCULAR DISEASE	5T32 HL07379-03	212,086
MINICK, CHARLES R	ARTERIOSCLEROSIS AND MYOCARDIAL DISEASE	5T32 HL07423-02	87,906
NACHMAN, RALPH L	HEMATOLOGY	3T32 HL07029-05S1	3,819
NACHMAN, RALPH L	HEMATOLOGY	2T32 HL07029-06	93,537
NACHMAN, RALPH L	BIOMEDICAL SCIENCES	5T32 GM07739-02	429,337
PLUM, FRED	BRAIN METABOLISM & BLOOD FLOW IN EXPERIMENTAL STROKE	5T32 NS07141-02	84,059
REIDENBERG, MARCUS M	CLINICAL PHARMACOLOGY	5T32 GM07488-04	44,357
REIS, DONALD J	CENTRAL NEURAL CONTROL OF THE CIRCULATION	3T32 HL07378-02S1	2,309
REIS, DONALD J	CENTRAL NEURAL CONTROL OF THE CIRCULATION	5T32 HL07378-03	87,856
RIKER, WALTER F, JR	PHARMACOLOGICAL SCIENCES	5T32 GM07547-04	86,235
WINDHAGER, ERICH E	RENAL FUNCTION IN HEALTH AND DISEASE	5T32 AM07152-05	93,513
ORGANIZATION TOTAL	17 1,465,849		
HOSPITAL FOR SPECIAL SURGERY ZIP CODE 10021			
POSNER, ARON S	ORTHOPEDICS	5T32 AM07281-03	62,175
ORGANIZATION TOTAL	1 62,175		
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES ZIP CODE 10021			
SCHOTTENFELD, DAVID	CANCER EPIDEMIOLOGY	5T32 CA09192-02	47,513
ORGANIZATION TOTAL	1 47,513		
MONTEFIORE HOSPITAL AND MEDICAL CENTER ZIP CODE 10467			
SPAET, THEODORE H	HEMATOLOGY	2T32 HL07080-06	77,090
SURKS, MARTIN I	INVESTIGATIVE ENDOCRINOLOGY	5T32 AM07004-06	24,643
SURKS, MARTIN I	INVESTIGATIVE ENDOCRINOLOGY	2T32 AM07004-07	90,582
ORGANIZATION TOTAL	3 192,315		
NEW YORK BLOOD CENTER ZIP CODE 10021			
MAZUR, ABRAHAM	BLOOD BANKING SCIENCES	5T32 HL07331-03	115,461
ORGANIZATION TOTAL	1 115,461		
NEW YORK UNIVERSITY ZIP CODE 10003			
ALBERT, ROY E	ENVIRONMENTAL ONCOLOGY	5T32 ES07081-03	73,323
DEFENDI, VITTORIO	CANCER	2T32 CA09161-06	326,845
DEFENDI, VITTORIO	BASIC PATHOBIOLOGY	5T32 GM07552-04	82,012
FRANKLIN, EDWARD C	ARTHRITIS	5T32 AM07176-05	91,293
GIGLI, IRMA	IMMUNOLOGY, MICROBIOLOGY, DERMATOPATHOLOGY	5T32 AM07190-05	86,899
GOLDSTEIN, IRA M	SHORT-TERM RESEARCH TRAINING	1T35 AM07421-01	69,466
LIPPMANN, MORTON	PHYSIOLOGY OF LUNG CLEARANCE	5T32 HL07263-04	45,291
LIPPMANN, MORTON	ENVIRONMENTAL TOXICOLOGY	5T32 ES07065-03	170,305
SABATINI, DAVID D	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07238-06A1	31,613
SALTON, MILTON R	INFECTIOUS DISEASES AND BASIC MICROBIOLOGICAL MECHANISMS	5T32 AI07180-02	113,903
SHELANSKI, MICHAEL L	MEDICAL SCIENTIST	2T32 GM07308-06	520,723
SILBER, ROBERT	HEMATOLOGY	2T32 HL07151-06	149,179

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
ZADUNAISKY, JOSE A	PHYSIOLOGY AND BIOCHEMISTRY OF THE EYE	2T32 EY07009-06	85,330
ORGANIZATION TOTAL	13 1,846,182		
ROCKEFELLER UNIVERSITY ZIP CODE 10021			
CHOPPIN, PURNELL W	MECHANISMS IN VIRUS INFECTION AND TRANSFORMATION	5T32 CA09256-05	168,489
COHN, ZANVIL A	BASIC PATHOBIOLOGY	2T32 GM07245-06	83,868
KILEJIAN, ARAXIE	EXPERIMENTAL PARASITOLOGY	5T32 AI07185-02	63,945
PFAFFMANN, CARL	BIOLOGICAL BASIS OF BEHAVIOR	5T32 GM07524-04	118,523
ORGANIZATION TOTAL	4 434,825		
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH ZIP CODE 10021			
BENNETT, DOROTHEA	DEVELOPMENTAL GENETICS	5T32 GM07718-02	79,661
BURCHENAL, JOSEPH H	CANCER CHEMOTHERAPY	5T32 CA09207-04	291,563
CHOI, YONG S	IMMUNOLOGY RESEARCH	5T32 CA09149-05	442,109
GOOD, ROBERT A	IMMUNOBIOLOGY OF AGING	5T32 AG00054-03	96,063
LAUGHLIN, JOHN S	RADIATION ONCOLOGY	5T32 CA09022-03	131,706
MOORE, MALCOLM A	TUMOR BIOLOGY	5T32 CA09190-03	86,692
MOORE, MALCOLM A	HEMATOLOGY	5T32 AM07266-04	53,178
SANDERS, F KINGSLEY	MOLECULAR BIOLOGY OF CELL REGULATION	5T32 CA09193-03	67,146
SONENBERG, MARTIN	ENDOCRINOLOGY	5T32 AM07313-03	89,560
ORGANIZATION TOTAL	9 1,337,678		
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER ZIP CODE 11203			
AMASSIAN, VAHE E	NEUROPHYSIOLOGY	3T32 NS07117-01A1S1	6,769
AMASSIAN, VAHE E	NEUROPHYSIOLOGY	5T32 NS07117-02	52,069
DREIZEN, PAUL	SHORT-TERM RESEARCH TRAINING	1T35 HL07493-01	65,124
FURCHGOTT, ROBERT F	PHARMACOLOGICAL SCIENCES	5T32 GM07615-03	55,374
MORSE, STEPHEN I	IMMUNOLOGY	5T32 AI07131-04	39,739
RIEDER, RONALD F	RESEARCH OF BLOOD DISEASES	5T32 AM07289-03	62,277
ORGANIZATION TOTAL	6 281,352		
YESHIVA UNIVERSITY ZIP CODE 10033			
ARIAS, IRWIN M	GASTROENTEROLOGY-HEPATOLOGY RESEARCH	5T32 AM07218-05	77,916
BARNETT, HENRY L	HUMAN DEVELOPMENTAL BIOLOGY	3T32 HD07053-05S1	102,514
BARNETT, HENRY L	HUMAN DEVELOPMENTAL BIOLOGY	2T32 HD07053-06	37,285
BAUM, STEPHEN G	MEDICAL SCIENTIST	2T32 GM07288-06	672,454
EDER, HOWARD A	PLASMA LIPOPROTEINS AND APOPROTEINS	5T32 HL07383-03	71,782
GRAYZEL, ARTHUR	ARTHRITIS & BONE DISEASES	5T32 AM07273-04	47,221
HAYS, RICHARD M	NEPHROLOGY--MULTIDISCIPLINARY	5T32 AM07089-06	54,616
HAYS, RICHARD M	NEPHROLOGY--MULTIDISCIPLINARY	2T32 AM07089-07	72,796
HORWITZ, SUSAN B	PHARMACOLOGICAL SCIENCES	2T32 GM07260-06	101,474
HURWITZ, JERARD	VIRAL ONCOLOGY AND TUMOR BIOLOGY	2T32 CA09060-06	284,046
HURWITZ, JERARD	BIOMEDICAL SCIENCES	5T32 GM07491-04	156,693
JAFFE, ERNST R	RESEARCH IN RED BLOOD CELL DISEASES	5T32 AM07294-03	37,015
KLINGER, HAROLD P	MEDICAL GENETICS	5T32 GM07001-06	94,498
LILLY, FRANK	IMMUNOLOGY AND IMMUNOONCOLOGY	2T32 CA09173-06	295,392
MARMUR, JULIUS	GENETICS AND BIOCHEMISTRY OF CELLULAR REGULATION	2T32 GM07128-06	117,825
PURPURA, DOMINICK P	NEUROSCIENCES	1T32 NS07183-01	117,952
RAINE, CEDRIC S	EXPERIMENTAL NEUROPATHOLOGY	5T32 NS07098-03	119,673
ROSEN, ORA M	DIABETES MELLITUS AND METABOLIC DISEASES	5T32 AM07329-03	121,794
SCARPELLI, EMILE M	MULTIDISCIPLINARY RESPIRATORY DISEASES	3T32 HL07060-05S1	8,127
SCARPELLI, EMILE M	RESPIRATORY BIOLOGY	2T32 HL07060-06	206,663
SCHEUER, JAMES	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07071-05S1	19,276
SCHEUER, JAMES	CARDIOVASCULAR PHYSIOLOGY AND PATHOPHYSIOLOGY	2T32 HL07071-06A1	104,213
SEIFTER, SAM	BIOCHEMISTRY OF CELLULAR AGING	5T32 AG00052-03	99,249
SHAPIRO, LUCILLE	DEVELOPMENTAL BIOLOGY OF HORMONAL RESPONSE SYSTEMS	5T32 HD07154-02	116,367
SONNENBLICK, EDMUND H	SHORT-TERM RESEARCH TRAINING	1T35 HD07220-01	61,700
SPITZER, ADRIAN	DEVELOPMENTAL RENAL AND ELECTROLYTE PHYSIOLOGY	5T32 AM07110-05	34,033
STEIGBIGEL, NEAL H	INFECTIOUS DISEASES--MICROBIOLOGY AND IMMUNOLOGY	5T32 AI07183-02	146,189
ORGANIZATION TOTAL	27 3,378,763		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NEW YORK—Continued			
ROCHESTER			
EASTMAN DENTAL CENTER ZIP CODE 14620			
MC HUGH, WILLIAM D	SHORT-TERM RESEARCH TRAINING	1T35 DE07096-01	13,025
ORGANIZATION TOTAL	1 13,025		
UNIVERSITY OF ROCHESTER ZIP CODE 14627			
HENSHAW, EDGAR C	EXPERIMENTAL THERAPY MODELS	1T32 CA09363-01	71,088
HOROWICZ, PAUL	INTEGRATIONS AND CONTROLS IN SYSTEMS BIOLOGY	2T32 GM07136-06	152,511
HYDE, RICHARD W	PULMONARY DISEASES--MULTIDISCIPLINARY	5T32 HL07216-05	90,822
JOSEPH, SHIRLEY A	NEUROSCIENCES	1T32 NS07184-01	74,940
LATIES, VICTOR G	ENVIRONMENTAL TOXICOLOGY	5T32 ES07026-03	317,162
LEDDY, JOHN P	IMMUNOLOGY AND INFECTIOUS DISEASES	5T32 AI07169-02	141,542
LICHTMAN, MARSHALL A	HEMATOLOGY	3T32 HL07152-05S1	4,363
LICHTMAN, MARSHALL A	HEMATOLOGY	2T32 HL07152-06	93,537
LOCKWOOD, DEAN H	INVESTIGATIVE DIABETES ENDOCRINOLOGY & METABOLISM	2T32 AM07092-06	66,660
ROWLEY, PETER T	GENETICS	5T32 GM07098-04	78,667
YOUNG, FRANK E	MOLECULAR BASIS OF HOST PARASITE INTERACTION	5T32 AI07137-04	133,213
YOUNG, FRANK E	SHORT-TERM RESEARCH TRAINING	1T35 HL07496-01	69,386
YOUNG, FRANK E	INTERDEPARTMENTAL PROGRAM IN GENETICS AND REGULATION	2T32 GM07102-06	274,154
YOUNG, FRANK E	MEDICAL SCIENTIST	5T32 GM07356-05	349,545
YU, PAUL N	CARDIOLOGY	5T32 HL07220-04	71,837
ORGANIZATION TOTAL	15 1,989,427		
STONY BROOK			
STATE UNIVERSITY OF NEW YORK AT STONY BROOK ZIP CODE 11794			
GROLLMAN, ARTHUR P	PHARMACOLOGICAL SCIENCES	5T32 GM07518-04	52,054
KANE, PHILIP B	ENVIRONMENTAL PATHOLOGY OF THE RESPIRATORY SYSTEM	5T32 ES07088-02	120,532
LEVINE, ARNOLD J	VIRAL ONCOLOGY	3T32 CA09176-05S1	174,501
SHERMAN, S MURRAY	SENSORY TRANSDUCTION AND NEURAL PROCESSING IN VISION	5T32 EY07039-05	57,047
ORGANIZATION TOTAL	4 404,134		
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER ZIP CODE 13210			
STREETEN, DAVID H	ENDOCRINOLOGY	5T32 AM07146-06	13,625
ORGANIZATION TOTAL	1 13,625		
TROY			
RENSSELAER POLYTECHNIC INSTITUTE ZIP CODE 12181			
KATZ, J LAWRENCE	DENTAL MATERIALS	5T32 DE07054-05	60,347
ORGANIZATION TOTAL	1 60,347		
UPTON			
ASSOCIATED UNIVERSITIES--BROOKHAVEN NATIONAL LABORATORY ZIP CODE 11973			
SETLOW, RICHARD B	ENVIRONMENTAL AND GENETIC FACTORS IN NEOPLASIA	2T32 CA09121-06	108,135
ORGANIZATION TOTAL	1 108,135		
UTICA			
MASONIC FOUNDATION FOR MEDICAL RESEARCH AND HUMAN WELFARE ZIP CODE 13501			
MOE, GORDON K	EXPERIMENTAL CARDIOLOGY	3T32 HL07254-03S1	783
MOE, GORDON K	EXPERIMENTAL CARDIOLOGY	5T32 HL07254-04	52,426
ORGANIZATION TOTAL	2 53,209		
STATE TOTAL	193 19,514,949		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980--Continued

Program director	General area of training	Grant number	Dollars
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL ZIP CODE 27514			
BRIGGAMAN, ROBERT A	DERMATOLOGIC RESEARCH	1T32 AM07369-01	47,023
BROMBERG, PHILIP A	RESPIRATORY DISEASES--MULTIDISCIPLINARY	2T32 HL07106-06	95,052
CLYDE, WALLACE A, JR	CHILDHOOD AND ADULT INFECTIOUS DISEASES	5T32 AI07151-03	93,277
CROMARTIE, WILLIAM J	SHORT-TERM RESEARCH TRAINING	1T35 AM07386-01	69,399
DAVIS, CLARENCE E	CARDIOVASCULAR EPIDEMIOLOGY AND STATISTICS	2T32 HL07005-06	87,290
GETTES, LEONARD S	SELECTED TOPICS IN CARDIOLOGY	1T32 HL07470-01	50,310
GOTTSCHALK, CARL W	KIDNEY AND MEMBRANE PHYSIOLOGY AND DISEASE	2T32 AM07047-07	54,031
GRAHAM, JOHN B	EXPERIMENTAL HEMATOLOGY	5T32 HL07255-04	89,460
GRAHAM, JOHN B	GENETICS	2T32 GM07092-06	145,710
GREGG, JOHN M	MECHANISMS AND CONTROL OF CRANIOFACIAL PAIN	5T32 DE07018-05	87,737
GRISHAM, JOE W	ENVIRONMENTAL PATHOLOGY: EXPERIMENTAL AND APPLIED	2T32 ES07017-06	141,703
HULKA, BARBARA S	CANCER EPIDEMIOLOGY	1T32 CA09330-01A1	104,801
KUPPER, LAWRENCE L	BIOSTATISTICAL RESEARCH--ENVIRONMENTAL HEALTH	5T32 ES07018-04	95,641
LIPTON, MORRIS A	MENTAL RETARDATION--INTERDISCIPLINARY	5T32 HD07201-02	52,247
LUNDBLAD, ROGER L	SHORT-TERM RESEARCH TRAINING	1T35 DE07102-01	13,025
MANIRE, G PHILIP	TUMOR BIOLOGY	3T32 CA09057-05S1	20,242
MC KINNEY, JAMES D	MENTAL RETARDATION	5T32 HD07178-02	105,553
MORELL, PIERRE	NEUROBIOLOGY	3T32 NS07166-01S1	1,187
MORELL, PIERRE	NEUROBIOLOGY	5T32 NS07166-02	103,820
PAGANO, JOSEPH S	BASIC MECHANISMS OF VIRAL AND CHEMICAL CARCINOGENESIS	2T32 CA09156-06	214,580
PERKINS, JOHN P	PHARMACOLOGICAL SCIENCES	2T32 GM07040-06	64,902
SPARLING, PHILIP F	NORTH CAROLINA VENEREAL DISEASE PROGRAM	5T32 AI07001-05	67,450
TYROLER, HERMAN A	CARDIOVASCULAR EPIDEMIOLOGY AND STATISTICS	3T32 HL07055-05S1	696
TYROLER, HERMAN A	CARDIOVASCULAR EPIDEMIOLOGY AND STATISTICS	2T32 HL07055-06	133,182
TYROLER, HERMAN A	ENVIRONMENTAL EPIDEMIOLOGY	5T32 ES07036-04	149,758
UDRY, J RICHARD	POPULATION STUDIES	5T32 HD07168-02	168,395
VAN WYK, JUDSON J	ENDOCRINOLOGY AND METABOLISM	5T32 AM07129-06	71,844
VAN WYK, JUDSON J	ENDOCRINOLOGY AND METABOLISM	2T32 AM07129-07	88,633
WELLS, H BRADLEY	POPULATION STATISTICS	5T32 HD07102-04	101,150
ORGANIZATION TOTAL	29 2,518,098		
CHARLOTTE			
JOHNSON C. SMITH UNIVERSITY ZIP CODE 28216			
CHOPRA, BALDEO K	MICROBIOLOGY, BIOCHEMISTRY & BIOPHYSICS	5T32 GM07652-04	104,930
ORGANIZATION TOTAL	1 104,930		
DURHAM			
DUKE UNIVERSITY ZIP CODE 27706			
AMOS, D BERNARD	TUMOR IMMUNOLOGY AND IMMUNOGENETICS	2T32 CA09058-06	278,055
AMOS, D BERNARD	MEDICAL GENETICS	5T32 GM07003-05	58,432
BUCKLEY, REBECCA H	ALLERGY AND CLINICAL IMMUNOLOGY	5T32 AI07062-04	89,413
GILLHAM, NICOLAS W	GENETICS	5T32 GM07754-02	99,899
GOLDSMITH, LOWELL A	DERMATOLOGY	2T32 AM07093-06	92,124
HILL, ROBERT L	MEDICAL SCIENTIST	2T32 GM07171-06	595,621
HILL, ROBERT L	ORGANIZATION AND FUNCTIONS OF CELLULAR STRUCTURES	2T32 GM07184-06	371,381
JOKLIK, WOLFGANG K	VIRAL ONCOLOGY	2T32 CA09111-06	309,988
JOKLIK, WOLFGANG K	BASIC MECHANISMS IN INFECTIOUS DISEASES	5T32 AI07148-03	151,483
LASZLO, JOHN	CANCER CHEMOTHERAPY	5T32 CA09307-03	152,223
LEBOVITZ, HAROLD E	ENDOCRINOLOGY AND DIABETES	2T32 AM07012-06	44,561
LYNN, WILLIAM S	ENVIRONMENT AND THE LUNGS: TOXINS AND MEDIATORS	5T32 ES07031-03	134,853
MADDOX, GEORGE L	BEHAVIOR & PHYSIOLOGY IN AGING	5T32 AG00029-05	155,482
OTTOLENGHI, ATHOS	PHARMACOLOGICAL SCIENCES	2T32 GM07105-06	104,412
PILKINGTON, THEO C	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	5T32 HL07063-05	148,950
ROBERTSON, J DAVID	BIOLOGICAL MEMBRANE STUDIES	5T32 GM07403-04	132,352
ROBINSON, ROSCOE R	KIDNEY STRUCTURE AND FUNCTION IN HEALTH AND DISEASE	5T32 AM07308-03	70,230

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
NORTH CAROLINA—Continued			
ROSATI, ROBERT A	BIOMEDICAL COMMUNICATIONS	5T15 LM07003-06	190,324
ROSSE, WENDELL F	BLOOD BANKING SCIENCES AND RELATED PROGRAMS	3T32 HL07057-05S1	4,593
ROSSE, WENDELL F	BLOOD BANKING SCIENCES AND RELATED PROGRAMS	2T32 HL07057-06	136,878
SNYDERMAN, RALPH	INFLAMMATORY AND IMMUNOLOGICAL DISEASES	1T32 AI07217-01	47,566
TYOR, MALCOLM P	DIGESTIVE DISEASES	5T32 AM07166-05	65,407
VOGEL, F STEPHEN	BIOLOGICAL APPROACHES TO DEMENTIA	2T32 AG00007-06	65,681
WALLACE, ANDREW G	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07101-05S1	22,240
WALLACE, ANDREW G	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07101-06	370,418
WYNGAARDEN, JAMES B	METABOLIC AND RHEUMATIC DISEASES	5T32 AM07015-06	16,544
WYNGAARDEN, JAMES B	METABOLIC AND RHEUMATIC DISEASES	2T32 AM07015-07	69,664
ORGANIZATION TOTAL	27 3,978,774		
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA CENTRAL UNIVERSITY ZIP CODE 27707			
TOWNES, MARY M	BIOMEDICAL SCIENCES	1T32 GM07668-01A1	144,477
ORGANIZATION TOTAL	1 144,477		
GREENSBORO			
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY ZIP CODE 27411			
DE LAUDER, WILLIAM B	BIOMEDICAL SCIENCES	5T32 GM07649-02	121,818
ORGANIZATION TOTAL	1 121,818		
RALEIGH			
UNIVERSITY OF NORTH CAROLINA SYSTEM–NORTH CAROLINA STATE UNIVERSITY AT RALEIGH ZIP CODE 27607			
GUTHRIE, FRANK E	MOLECULAR AND ENVIRONMENTAL TOXICOLOGY	5T32 ES07046-04	145,776
ORGANIZATION TOTAL	1 145,776		
WINSTON-SALEM			
WAKE FOREST UNIVERSITY ZIP CODE 27109			
BUCKALEW, VARDAMAN M, JR	CARDIOVASCULAR DISEASES	1T32 HL07458-01	67,621
CLARKSON, THOMAS B	SHORT-TERM RESEARCH TRAINING	1T35 AM07400-01	34,637
CLARKSON, THOMAS B	LABORATORY ANIMAL AND COMPARATIVE MEDICINE	5T32 RR07009-04	96,125
HUTCHINS, PHILLIP M	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07304-04	33,427
ST CLAIR, RICHARD W	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	3T32 HL07115-05S1	9,566
ST CLAIR, RICHARD W	CARDIOVASCULAR PATHOLOGY	2T32 HL07115-06	183,197
ORGANIZATION TOTAL	6 424,573		
STATE TOTAL	66 7,438,446		
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER ZIP CODE 45229			
KAPLAN, SAMUEL	CARDIOVASCULAR DISEASE OF THE YOUNG	5T32 HL07417-03	48,902
LAMPKIN, BEATRICE C	PEDIATRIC HEMATOLOGY-ONCOLOGY	5T32 CA09148-02	77,216
WEST, CLARK D	PEDIATRIC NEPHROLOGY RESEARCH	5T32 AM07051-05	37,290
ZIMMERMAN, ERNEST F	TERATOLOGY	5T32 ES07051-04	63,433
ORGANIZATION TOTAL	4 226,841		
UNIVERSITY OF CINCINNATI AT CINCINNATI ZIP CODE 45221			
BUNCHER, CHARLES R	ENVIRONMENTAL EPIDEMIOLOGY AND BIOSTATISTICS	5T32 ES07053-03	85,858
HAMMOND, PAUL B	TOXICOLOGY	5T32 ES07073-03	359,150
KLEINMAN, LEONARD I	PERINATOLOGY	5T32 HD07200-02	82,849
SCHWARTZ, ARNOLD	CARDIOVASCULAR BIOLOGY	3T32 HL07382-03S1	10,705
SCHWARTZ, ARNOLD	CARDIOVASCULAR BIOLOGY	5T32 HL07382-04	163,216

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
OHIO—Continued			
SUBBIAH, M T	LIPIDS, ATHEROSCLEROSIS, AND NUTRITION	1T32 HL07460-01	97,433
ORGANIZATION TOTAL	6 799,211		
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY ZIP CODE 44106			
BILLIAR, REINHART B	BIOLOGY OF HUMAN REPRODUCTION	5T32 HD07120-04	57,965
CHERNIACK, NEIL S	RESPIRATORY DISEASES	5T32 HL07288-04	74,243
DETTERMAN, DOUGLAS K	MENTAL RETARDATION RESEARCH TRAINING IN PSYCHOLOGY	5T32 HD07176-02	58,483
DOERSHUK, CARL F	PEDIATRIC PULMONARY DISEASE AND CYSTIC FIBROSIS	5T32 HL07415-02	162,466
EVANS, HELEN H	ENVIRONMENTAL BIOLOGY	5T32 ES07080-03	22,925
FANAROFF, AVROY A	NEONATAL RESPIRATORY RESEARCH	5T32 HD07132-03	36,122
KOSBERG, JORDAN I	GERONTOLOGY--INTERDISCIPLINARY	1T32 AG00056-01A2	89,793
LAKE, ROBIN B	COMPUTER TECHNOLOGY IN HEALTH SCIENCES	2T15 LM07001-06	178,957
LASEK, RAYMOND J	DEVELOPMENTAL NEUROLOGY	3T32 NS07118-02S1	1,475
LASEK, RAYMOND J	DEVELOPMENTAL NEUROLOGY	5T32 NS07118-03	112,497
MAHMOUD, ADEL A	GEOGRAPHIC MEDICINE	5T32 AI07024-04	52,348
PLONSEY, ROBERT	BIOMEDICAL ENGINEERING/SYSTEMS & INTEGRATIVE BIOLOGY	5T32 GM07535-04	216,975
RATNOFF, OSCAR D	HEMATOLOGY	2T32 HL07147-06A1	74,202
SINGER, MARCUS	NORMAL AND ABNORMAL DEVELOPMENT	5T32 HD07104-04	184,226
UTTER, MERTON F	METABOLISM	5T32 AM07319-02	176,208
WEBSTER, LESLIE T, JR	PHARMACOLOGY	5T32 GM07382-04	50,241
ORGANIZATION TOTAL	16 1,549,126		
CLEVELAND CLINIC HOSPITAL ZIP CODE 44106			
KHAIRALLAH, PHILIP A	CARDIOVASCULAR DISEASES	3T32 HL07242-02S1	11,152
KHAIRALLAH, PHILIP A	CARDIOVASCULAR DISEASES	5T32 HL07242-03	129,829
ORGANIZATION TOTAL	2 140,981		
COLUMBUS			
OHIO STATE UNIVERSITY ZIP CODE 43210			
ALLEN, JAMES N	BIOCHEMICAL NEUROPATHOLOGY	5T32 NS07091-05	56,319
BALCERZAK, STANLEY P	ONCOLOGY	2T32 CA09338-03	147,798
TRZEBIATOWSKI, GREGORY L	BIOMEDICAL COMPUTING AND INFORMATION PROCESSING	2T15 LM07023-03	148,249
WITIAK, DONALD T	MEDICINAL CHEMISTRY	5T32 GM07622-03	71,314
ORGANIZATION TOTAL	4 423,680		
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO ZIP CODE 43699			
MULROW, PATRICK J	ENDOCRINOLOGY AND METABOLOGY	5T32 AM07316-03	32,537
RAPP, JOHN P	HYPERTENSION	5T32 HL07357-03	76,074
ORGANIZATION TOTAL	2 108,611		
STATE TOTAL	34 3,248,450		
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER ZIP CODE 73190			
MC CAFFREE, D ROBERT	PULMONARY MEDICINE	5T17 HL07155-06	10,800
ROGERS, ROBERT M	PULMONARY DISEASES--MULTIDISCIPLINARY	5T32 HL07210-05	41,083
STONE, HUBERT L	CARDIOVASCULAR CONTROL AND HYPERTENSION	3T32 HL07430-01S1	23,776
STONE, HUBERT L	CARDIOVASCULAR CONTROL AND HYPERTENSION	5T32 HL07430-0?	171,523
TAYLOR, FLETCHER B, JR	HEMATOLOGY	3T32 HL07207-04S1	6,155
TAYLOR, FLETCHER B, JR	HEMATOLOGY	5T32 HL07207-05	59,012
ORGANIZATION TOTAL	6 312,349		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
OKLAHOMA—Continued			
TAHLEQUAH			
NORTHEASTERN OKLAHOMA STATE UNIVERSITY ZIP CODE 74464			
REED, LANNY J	PHYSICS & NATURAL SCIENCES	5T32 GM07694-04	49,063
ORGANIZATION TOTAL	1 49,063		
STATE TOTAL	7 361,412		
OREGON			
CORVALLIS			
OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY ZIP CODE 97331			
MATHEWS, CHRISTOPHER K	MOLECULAR AND CELLULAR BIOLOGY	1T32 GM07774-01A1	33,250
TINSLEY, IAN J	ENVIRONMENTAL TOXICOLOGY	5T32 ES07060-02	115,275
ORGANIZATION TOTAL	2 148,525		
EUGENE			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON ZIP CODE 97403			
FERNALD, RUSSELL D	SYSTEMS AND INTEGRATIVE BIOLOGY	2T32 GM07257-06	97,954
MATTHEWS, BRIAN W	MOLECULAR BIOLOGY	5T32 GM07759-02	138,465
POSTLETHWAIT, JOHN H	GENETICS	5T32 GM07413-04	140,607
ORGANIZATION TOTAL	3 377,026		
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER ZIP CODE 97201			
BISSONNETTE, JOHN M	PERINATAL BIOLOGY	5T32 HD07084-03	71,127
CONNOR, WILLIAM E	NUTRITION AND ATHEROSCLEROSIS	3T32 HL07295-03S1	1,880
CONNOR, WILLIAM E	NUTRITION AND ATHEROSCLEROSIS	5T32 HL07295-04	94,440
CRITCHLOW, B VAUGHN	REPRODUCTIVE BIOLOGY--MULTIDISCIPLINARY	5T32 HD07133-03	51,009
GREER, MONTE A	ENDOCRINOLOGY AND METABOLOGY	5T32 AM07331-02	72,226
JONES, RICHARD T	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07336-04	45,797
MATARAZZO, JOSEPH D	CARDIOVASCULAR FUNCTION--BEHAVIORAL	3T32 HL07332-02S1	2,022
MATARAZZO, JOSEPH D	CARDIOVASCULAR FUNCTION--BEHAVIORAL	5T32 HL07332-03	80,211
WUEPPER, KIRK D	MULTIDISCIPLINARY DERMATOLOGY	5T32 AM07153-05	69,734
ORGANIZATION TOTAL	9 488,446		
STATE TOTAL	14 1,013,997		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER ZIP CODE 17033			
BIEBUYCK, JULIEN F	SHORT-TERM RESEARCH TRAINING	1T35 HL07477-01	26,050
LANG, C MAX	LABORATORY ANIMAL MEDICINE	2T32 RR07006-04	54,817
MORGAN, HOWARD E	CELLULAR BIOLOGY--HEART	5T32 HL07223-05	141,548
RAPP, FRED	VIRUSES AND CANCER	5T32 CA09124-03	117,866
ORGANIZATION TOTAL	4 340,281		
PHILADELPHIA			
CHILDREN'S HOSPITAL OF PHILADELPHIA ZIP CODE 19104			
SCHWARTZ, ELIAS	HEMATOLOGY	2T32 HL07150-06	73,519

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
PENNSYLVANIA—Continued			
SEGAL, STANTON	MENTAL RETARDATION	5T32 HD07107-04	92,452
ORGANIZATION TOTAL	2 165,971		
INSTITUTE FOR CANCER RESEARCH ZIP CODE 19111			
ANDERSON, THOMAS F	CANCER RESEARCH	2T32 CA09035-06	269,296
ORGANIZATION TOTAL	1 269,296		
MEDICAL COLLEGE OF PENNSYLVANIA ZIP CODE 19129			
ROSS, LEONARD L	NEUROBIOLOGY OF DEVELOPMENT AND REGENERATION	5T32 NS07061-03	84,091
ROTHBLAT, GEORGE H	PHYSIOLOGY AND BIOCHEMISTRY OF ARTERIOSCLEROSIS	3T32 HL07443-01S1	17,480
ORGANIZATION TOTAL	2 101,571		
MONELL CHEMICAL SENSES CENTER ZIP CODE 19104			
KARE, MORLEY R	CHEMICAL SENSES--INTERDISCIPLINARY	3T32 NS07176-01S1	2,087
KARE, MORLEY R	CHEMICAL SENSES--INTERDISCIPLINARY	5T32 NS07176-02	90,166
ORGANIZATION TOTAL	2 92,253		
PHILADELPHIA GERIATRIC CENTER ZIP CODE 19141			
ADELMAN, RICHARD C	CELLULAR AND MOLECULAR ASPECTS OF AGING	5T32 AG00034-03	38,076
ORGANIZATION TOTAL	1 38,076		
TEMPLE UNIVERSITY ZIP CODE 19122			
BUCKLEY, HELEN R	MEDICAL MYCOLOGY	5T32 AI07141-02	24,138
COHEN, ALLEN B	EXPERIMENTAL PULMONARY EMPHYSEMA	3T32 HL07414-01S1	4,147
COHEN, ALLEN B	EXPERIMENTAL PULMONARY EMPHYSEMA	5T32 HL07414-02	98,558
COLMAN, ROBERT W	THROMBOSIS AND HEMOSTASIS	5T32 HL07248-04	86,573
MAGEE, PETER N	CANCER AND CANCER RELATED RESEARCH	5T32 CA09214-03	125,899
PLAUT, GERHARD W	BIOCHEMICAL ENDOCRINOLOGY RELATED TO DIABETES	3T32 AM07162-03S1	12,469
PLAUT, GERHARD W	BIOCHEMICAL ENDOCRINOLOGY RELATED TO DIABETES	5T32 AM07162-04	116,472
SHOCKMAN, GERALD D	MICROBIOLOGY AND IMMUNOLOGY	5T32 AI07101-03	45,043
SPANN, JAMES F, JR	CARDIOLOGY	3T32 HL07198-04S1	611
SPANN, JAMES F, JR	CARDIOLOGY	5T32 HL07198-05	56,636
ORGANIZATION TOTAL	10 570,546		
THOMAS JEFFERSON UNIVERSITY ZIP CODE 19107			
BIANCHI, C PAUL	ENVIRONMENTAL AND INDUSTRIAL TOXICOLOGY	5T32 ES07084-02	95,069
BRENT, ROBERT L	DEVELOPMENTAL BIOLOGY	5T32 HD07075-05	58,220
BRENT, ROBERT L	SHORT-TERM RESEARCH TRAINING	1T35 HL07497-01	43,416
ERSLEV, ALLAN J	HEMATOLOGY	2T32 AM07084-06	66,189
KRAMER, SIMON	RADIATION THERAPY	5T32 CA09137-06	35,289
LIBERTI, PAUL A	IMMUNOCHEMISTRY AND IMMUNOBIOLOGY	5T32 AI07043-05	39,057
SHAPIRO, SANDOR S	HEMOSTASIS AND THROMBOSIS	3T32 HL07371-02S1	4,402
SHAPIRO, SANDOR S	HEMOSTASIS AND THROMBOSIS	5T32 HL07371-03	71,789
ORGANIZATION TOTAL	8 413,431		
UNIVERSITY OF PENNSYLVANIA ZIP CODE 19104			
AGUS, ZALMAN S	RENAL PATHOPHYSIOLOGY IN CARDIAC AND RENAL DISEASE	5T32 AM07006-06	58,486
AGUS, ZALMAN S	RENAL PATHOPHYSIOLOGY IN CARDIAC AND RENAL DISEASE	2T32 AM07006-07	143,827
AVADHANI, NARAYAN G	SHORT-TERM RESEARCH TRAINING	1T35 GM07900-01	26,050
BAHN, ANITA K	CANCER ETIOLOGY	5T32 ES07078-03	184,995
BRIGHTON, CARL T	BONE AND CARTILAGE RESEARCH	5T32 AM07132-05	79,670
COHEN, SIDNEY	GASTROENTEROLOGY	2T32 AM07066-06	90,806
COOPER, RICHARD A	HEMATOLOGY CLINICAL RESEARCH	5T32 HL07439-02	142,249
FERGUSON, JAMES J, JR	MEDICAL SCIENTIST	2T32 GM07170-06	746,652
FISHMAN, ALFRED P	CARDIOPULMONOLOGY	2T32 HL07000-06	95,070
FORSTER, ROBERT E	PULMONARY PHYSIOLOGY	2T32 HL07027-06	169,887
FORSTER, ROBERT E	INTEGRATIVE AND THEORETICAL BIOLOGY	5T32 GM07517-03	139,582
GONATAS, NICHOLAS K	NEUROPATHOBIOLOGY	1T32 NS07064-01A3	45,734
HOLTZER, HOWARD	CELL DIFFERENTIATION	5T32 HD07152-03	101,795
HURVICH, LEO M	PSYCHOPHYSICS AND PHYSIOLOGY OF VISION	5T32 EY07035-05	59,968
KALLENBACH, NEVILLE R	GENETICS	2T32 GM07071-06	161,385

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
PENNSYLVANIA—Continued			
KASTOR, JOHN A	CLINICAL AND EXPERIMENTAL CARDIAC ELECTROPHYSIOLOGY	5T32 HL07346-03	126,015
KEFALIDES, NICHOLAS A	THROMBOSIS	3T32 HL07177-02S1	293
KEFALIDES, NICHOLAS A	THROMBOSIS	5T32 HL07177-03	69,152
LASH, JAMES W	ANALYSIS OF DEVELOPMENT	5T32 HD07067-05	128,330
MELLMAN, WILLIAM J	HUMAN GENETICS	5T32 GM07511-04	87,480
NATHANSON, NEAL	NEUROVIROLOGY	1T32 NS07180-01	61,442
NOORDERGRAAF, ABRAHAM	INTEGRATIVE BIOLOGY	5T32 GM07627-02	89,271
NOWOTNY, ALOIS H	PERIODONTICS--IMMUNOLOGY, MICROBIOLOGY, & PATHOLOGY	1T32 DE07085-01A1	103,091
PEACHEY, LEE D	CELL AND MOLECULAR BIOLOGY	2T32 GM07229-06	347,560
SCHAD, GERHARD A	IMMUNOLOGY OF HOST PARASITE RELATIONSHIPS	5T32 AI07050-04	73,077
TRENTHAM, DAVID R	CARDIOVASCULAR RESEARCH	1T32 HL07502-01	62,413
VAN DE WALLE, ETIENNE	DEMOGRAPHY	5T32 HD07113-04	52,286
WEISS, LEON P	EXPERIMENTAL HEMATOLOGY AND CELL BIOLOGY	5T32 AM07185-05	39,222
WILSON, DARCY B	IMMUNOBIOLOGY OF NORMAL & NEOPLASTIC LYMPHOCYTES	2T32 CA09140-06	324,131
WINEGRAD, ALBERT I	DIABETES, ENDOCRINE AND METABOLIC DISEASES	5T32 AM07314-02	134,663
WOLLMAN, HARRY	DENTAL PAIN CONTROL	5T32 DE07009-05	119,042
WOLLMAN, HARRY	ANESTHESIOLOGY	5T32 GM07612-03	88,960
YAFFE, SUMNER J	PEDIATRIC CLINICAL PHARMACOLOGY AND ANESTHESIOLOGY	5T32 GM07514-04	70,656
YANOFF, MYRON	EXPERIMENTAL OPHTHALMIC PATHOLOGY	5T32 EY07041-04	42,648
ZWEIMAN, BURTON	ALLERGY AND IMMUNOLOGIC DISEASES	5T32 AI07031-05	72,714
ORGANIZATION TOTAL	35 4,338,602		
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY ZIP CODE 19104			
KOPROWSKI, HILARY	BASIC CANCER RESEARCH	5T32 CA09171-05	278,449
ORGANIZATION TOTAL	1 278,449		
PITTSBURGH			
ALLEGHENY HEALTH, EDUCATION AND RESEARCH CORPORATION--ALLEGHENY-SINGER RESEARCH CORPORATION ZIP CODE 15212			
CONCANNON, JOSEPH P	RADIATION ONCOLOGY	5T32 CA09231-03	50,225
LESHER, SAMUEL W	CANCER RESEARCH	5T32 CA09225-03	69,596
ORGANIZATION TOTAL	2 119,821		
CARNEGIE-MELLON UNIVERSITY ZIP CODE 15213			
ANDERSON, JOHN L	BIOTECHNOLOGY PROGRAM	5T32 GM07477-04	103,138
ORGANIZATION TOTAL	1 103,138		
EYE AND EAR HOSPITAL OF PITTSBURGH ZIP CODE 15213			
BROWN, STUART I	OCULAR CONNECTIVE TISSUES	5T32 EY07032-05	42,786
ORGANIZATION TOTAL	1 42,786		
UNIVERSITY OF PITTSBURGH ZIP CODE 15260			
BOGGS, DANE R	HEMATOLOGY AND ONCOLOGY	5T32 AM07040-04	42,785
DE RUBERTIS, FREDERICK R	DIABETES AND ENDOCRINOLOGY	5T32 AM07052-06	27,054
GILL, THOMAS J, III	PATHOBIOLOGY	5T32 GM07349-04	80,214
KNOBIL, ERNST	PRIMATE REPRODUCTIVE PHYSIOLOGY	5T32 HD07116-04	27,258
KULLER, LEWIS H	CARDIOVASCULAR EPIDEMIOLOGY	2T32 HL07011-06	103,763
ROBINSON, ALAN G	DIABETES AND ENDOCRINOLOGY	2T32 AM07052-07	45,507
ORGANIZATION TOTAL	6 326,581		
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY AT UNIVERSITY PARK ZIP CODE 16802			
TAYLOR, CHARLES	GERONTOLOGY (INTERDISCIPLINARY)	5T32 AG00048-04	76,027
ORGANIZATION TOTAL	1 76,027		
STATE TOTAL	77 7,276,829		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
RHODE ISLAND			
PROVIDENCE			
BROWN UNIVERSITY ZIP CODE 02912			
CHA, SUNGMAN	CANCER RESEARCH	3T32 CA09204-01S1	3,975
FAIN, JOHN N	DIABETES, ENDOCRINOLOGY, AND METABOLISM	5T32 AM07187-05	64,320
GOLDSTEIN, SIDNEY	POPULATION CHANGE, DISTRIBUTION, AND MODERNIZATION	5T32 HD07069-05	104,173
RIGGS, LORRIN A	VISUAL PSYCHOPHYSIOLOGY	5T32 EY07029-05	20,144
ROTHMAN, FRANK G	MOLECULAR AND CELL BIOLOGY	5T32 GM07601-02	57,863
ORGANIZATION TOTAL	5 250,475		
STATE TOTAL	5 250,475		
SOUTH CAROLINA			
CHARLESTON			
MEDICAL UNIVERSITY OF SOUTH CAROLINA ZIP CODE 29403			
BAGWELL, ERVINE E	PHARMACOLOGY	5T32 GM07404-04	71,330
FUDENBERG, H HUGH	BASIC IMMUNE MECHANISMS AND IMMUNOLOGIC DISEASES	5T32 AI07063-03	66,886
GAFFNEY, THOMAS E	CLINICAL PHARMACOLOGY	5T32 GM07534-04	57,737
LINDENMAYER, GEORGE E	IMPROVE CARDIOVASCULAR DRUG THERAPY	3T32 HL07260-03S1	7,021
LINDENMAYER, GEORGE E	IMPROVE CARDIOVASCULAR DRUG THERAPY	5T32 HL07260-04	132,350
MILLER, M CLINTON, III	CARDIOMETRICAL SCIENTIST	3T32 HL07384-02S1	609
MILLER, M CLINTON, III	CARDIOMETRICAL SCIENTIST	5T32 HL07384-03	40,960
ORGANIZATION TOTAL	7 376,873		
COLUMBIA			
BENEDICT COLLEGE ZIP CODE 29204			
KINARD, JAMES T	BIOLOGY AND CHEMISTRY	5T32 GM07643-04	47,582
ORGANIZATION TOTAL	1 47,582		
ORANGEBURG			
SOUTH CAROLINA STATE COLLEGE ZIP CODE 29117			
ARRINGTON, JAMES H	INTEGRATED APPROACH TO IMPROVING SCIENCE CURRICULUM	1T32 GM07813-01	47,010
ORGANIZATION TOTAL	1 47,010		
STATE TOTAL	9 471,465		
TENNESSEE			
KNOXVILLE			
UNIVERSITY OF TENNESSEE SYSTEM–UNIVERSITY OF TENNESSEE AT KNOXVILLE ZIP CODE 37916			
BILLEN, DANIEL	CARCINOGENESIS	2T32 CA09104-06	92,554
BROWN, ARTHUR	MICROBIOLOGY RELATED TO INFECTIOUS DISEASES	5T32 AI07123-03	102,833
KENNEY, FRANCIS T	CARCINOGENESIS	5T32 CA09336-02	125,805
LANGE, ROBERT D	HEMATOLOGY	1T32 HL07448-01	45,507
POPP, RAYMOND A	GENETICS	5T32 GM07438-04	48,653
STULBERG, MELVIN P	MOLECULAR CELLULAR AGING	5T32 AG00028-05	73,102
WALLACE, ROBIN A	MACROMOLECULES IN BIOLOGICAL REGULATORY MECHANISMS	5T32 GM07431-04	42,288
ORGANIZATION TOTAL	7 530,742		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
TENNESSEE—Continued			
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL ZIP CODE 38101			
PHILLIPS, DAVID R	CANCER BIOLOGY	5T32 CA09346-02	127,572
ORGANIZATION TOTAL	1 127,572		
UNIVERSITY OF TENNESSEE SYSTEM–UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES ZIP CODE 38163			
KANG, ANDREW H	CONNECTIVE TISSUE DISEASES	3T32 AM07317-02S1	2,395
KANG, ANDREW H	CONNECTIVE TISSUE DISEASES	5T32 AM07317-03	56,082
KAUKER, MICHAEL L	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07389-03	30,912
KITABCHI, ABBAS E	DIABETES, ENDOCRINE AND METABOLIC DISEASES	5T32 AM07088-02	87,131
SABESIN, SEYMOUR M	LIVER DISEASES	5T32 AM07292-03	40,821
SHARE, LEONARD	HYPERTENSION	3T32 HL07339-02S1	3,610
SHARE, LEONARD	HYPERTENSION	5T32 HL07339-03	82,747
SOLOMON, SOLOMON S	SHORT-TERM RESEARCH TRAINING	1T35 AM07405-01	52,099
ORGANIZATION TOTAL	8 355,797		
NASHVILLE			
FISK UNIVERSITY ZIP CODE 37203			
MC KELVEY, MARY E	BIOMEDICAL SCIENCES	5T32 GM07675-03	120,656
ORGANIZATION TOTAL	1 120,656		
STATE UNIVERSITY AND COMMUNITY COLLEGE SYSTEM OF TENNESSEE–TENNESSEE STATE UNIVERSITY ZIP CODE 37203			
KAHLON, PREM S	BIOMEDICAL SCIENCES	1T32 GM07663-01A2	103,246
ORGANIZATION TOTAL	1 103,246		
VANDERBILT UNIVERSITY ZIP CODE 37240			
BRIGHAM, KENNETH L	RESPIRATORY DISEASES–MULTIDISCIPLINARY	3T32 HL07123-05S1	27,000
BRIGHAM, KENNETH L	PATHOPHYSIOLOGY OF THE PULMONARY MICROCIRCULATION	2T32 HL07123-06	69,919
BROOKS, PENELOPE H	MENTAL RETARDATION–BEHAVIORAL	5T32 HD07226-02	125,964
BROQUIST, HARRY P	NUTRITION AND GASTROENTEROLOGY	5T32 AM07083-06	43,647
CHAPMAN, JOHN E	MEDICAL SCIENTIST	5T32 GM07347-04	132,083
CROFFORD, OSCAR B	DIABETES AND ENDOCRINOLOGY	5T32 AM07061-06	29,694
CROFFORD, OSCAR B	DIABETES AND ENDOCRINOLOGY	2T32 AM07061-07	125,975
CROFFORD, OSCAR B	SHORT-TERM RESEARCH TRAINING	1T35 AM07383-01	43,284
ELLIOTT, JAMES H	VISUAL SCIENCES	5T32 EY07007-05	88,755
FRIESINGER, GOTTLIEB C	PHARMACOLOGY AND PHYSIOLOGY OF CARDIOVASCULAR DISEASES	5T32 HL07411-03	100,509
HARDMAN, JOEL G	PHARMACOLOGICAL SCIENCES	5T32 GM07628-03	184,614
HNILICA, LUBOMIR S	MOLECULAR MECHANISMS IN CANCER	5T32 CA09313-02	43,606
INAGAMI, TADASHI	HYPERTENSION	3T32 HL07323-02S1	2,295
INAGAMI, TADASHI	HYPERTENSION	5T32 HL07323-03	137,973
KRANTZ, SANFORD B	HEMATOLOGY	5T32 AM07186-05	56,011
NEAL, ROBERT A	ENVIRONMENTAL TOXICOLOGY	2T32 ES07028-06	81,699
OATES, JOHN A	CLINICAL PHARMACOLOGY	5T32 GM07569-04	135,421
PUETT, J DAVID	REPRODUCTIVE BIOLOGY, BIOCHEMISTRY, AND ENDOCRINOLOGY	3T32 HD07043-05S1	17,546
PUETT, J DAVID	REPRODUCTIVE BIOLOGY, BIOCHEMISTRY, AND ENDOCRINOLOGY	2T32 HD07043-06	104,573
SCHENKER, STEVEN	GASTROENTEROLOGY	1T32 AM07365-01	46,797
STAHLMAN, MILDRED T	NEWBORN PULMONARY DEVELOPMENT FUNCTION AND DISEASE	5T32 HL07256-04	92,237
TOUSTER, OSCAR	CELLULAR-MOLECULAR BIOLOGY	2T32 GM07319-06	158,454
WAGNER, CONRAD	NUTRITION AND GASTROENTEROLOGY	2T32 AM07083-07	46,807
ORGANIZATION TOTAL	23 1,894,863		
STATE TOTAL	41 3,132,876		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
TEXAS			
AUSTIN			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN ZIP CODE 78712			
HARDESTY, BOYD A	MEMBRANE CHANGES IN CARCINOGENESIS	3T32 CA09182-05S1	124,794
POSTON, DUDLEY L, JR	SOCIAL DEMOGRAPHY	5T32 HD07081-04	45,646
ORGANIZATION TOTAL	2 170,440		
DALLAS			
BISHOP COLLEGE ZIP CODE 75241			
FALOONA, GERALD R	BIOMEDICAL RESEARCH	5T32 GM07734-02	106,182
ORGANIZATION TOTAL	1 106,182		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS ZIP CODE 75235			
BUJA, LOUIS M	SHORT-TERM RESEARCH TRAINING	1T35 HL07483-01	37,028
COMBES, BURTON	GASTROENTEROLOGY AND LIVER DISEASE	5T32 AM07100-06	28,988
COMBES, BURTON	GASTROENTEROLOGY AND LIVER DISEASE	2T32 AM07100-07	76,697
FOSTER, DANIEL W	ENDOCRINOLOGY AND METABOLISM	5T32 AM07307-03	112,685
GILLIAM, JAMES N	IMMUNODERMATOLOGY	3T32 AM07341-01S1	13,132
JOHNSON, ROBERT L, JR	PULMONARY PATHOPHYSIOLOGY	3T32 HL07362-02S1	5,216
JOHNSON, ROBERT L, JR	PULMONARY PATHOPHYSIOLOGY	5T32 HL07362-03	104,859
KOKKO, JUHA P	RENAL CONTROL OF BODY COMPOSITION AND BLOOD PRESSURE	5T32 AM07257-04	71,730
MACDONALD, PAUL C	PHYSIOLOGY OF REPRODUCTION	5T32 HD07190-02	192,033
MC CANN, SAMUEL M	NEUROENDOCRINOLOGY	5T32 HD07062-05	83,733
MITCHELL, JERE H	CARDIOVASCULAR PATHOPHYSIOLOGY	3T32 HL07360-02S1	16,845
MITCHELL, JERE H	CARDIOVASCULAR PATHOPHYSIOLOGY	5T32 HL07360-03	314,446
PETTINGER, WILLIAM A	CLINICAL PHARMACOLOGY	5T32 GM07247-04	67,809
PIERCE, ALAN K	PULMONARY MEDICINE	5T17 HL07128-06	43,200
STREILEIN, J WAYNE	CANCER IMMUNOLOGY	2T32 CA09082-06	252,399
WEISS, GEORGE B	FACTORS INFLUENCING DRUG ACTIVITY AND DISTRIBUTION	2T32 GM07062-06	80,364
ZIFF, MORRIS	BASIC AND CLINICAL RHEUMATOLOGY	5T32 AM07055-06	27,815
ZIFF, MORRIS	BASIC AND CLINICAL RHEUMATOLOGY	2T32 AM07055-07	91,014
ORGANIZATION TOTAL	18 1,619,993		
FORT WORTH			
TEXAS COLLEGE OF OSTEOPATHIC MEDICINE ZIP CODE 76107			
ELKO, EDWARD E	HYPERTENSION--MINORITIES	1T35 HL07465-01	31,048
ORGANIZATION TOTAL	1 31,048		
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON ZIP CODE 77550			
BROWN, ARTHUR M	BIOPHYSICS OF NERVE AND MUSCLE CELLS AND NEURAL CONTROL	1T32 GM07856-01	17,486
REMMERS, JOHN E	RESPIRATORY DISEASES	5T32 HL07217-05	39,897
REYNOLDS, EDWARD S	SHORT-TERM RESEARCH TRAINING	1T35 NS07189-01	38,902
ORGANIZATION TOTAL	3 96,285		
HOUSTON			
BAYLOR COLLEGE OF MEDICINE ZIP CODE 77030			
ALLEN, JULIUS C	CARDIOVASCULAR SCIENCE	3T32 HL07282-02S1	3,041
ALLEN, JULIUS C	CARDIOVASCULAR SCIENCE	5T32 HL07282-03	83,615
ANDERSON, ROBERT E	VISUAL SCIENCES	2T32 EY07001-06	67,846
APPEL, STANLEY H	BIOLOGICAL APPROACHES TO DEMENTIA	3T32 AG00061-02S1	1,959
APPEL, STANLEY H	BIOLOGICAL APPROACHES TO DEMENTIA	5T32 AG00061-03	64,385
APPEL, STANLEY H	NEUROSCIENCES	1T32 NS07182-01	106,060
BUTEL, JANET S	VIRAL ONCOLOGY	5T32 CA09197-02	66,729
CASKEY, CHARLES T	MEDICAL GENETICS	5T32 GM07526-03	68,718
FIELD, JAMES B	DIABETES AND ENDOCRINOLOGY	5T32 AM07348-02	69,391

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
TEXAS—Continued			
MC NAMARA, DAN G	DEVELOPMENTAL CARDIAC PHARMACOLOGY AND PHYSIOLOGY	5T32 HL07190-04	45,543
O'MALLEY, BERT W	REPRODUCTIVE BIOLOGY: REGULATORY MECHANISMS	5T32 HD07165-02	99,567
WAKIL, SALIH J	MEDICAL SCIENTIST	5T32 GM07330-04	78,843
WILLIAMS, ROBERT P	MICROBIOLOGY OF INFECTIOUS DISEASES	3T32 AI07145-02S1	4,009
WILLIAMS, ROBERT P	MICROBIOLOGY OF INFECTIOUS DISEASES	5T32 AI07145-03	44,859
ORGANIZATION TOTAL	14 804,565		
RICE UNIVERSITY ZIP CODE 77001			
SCHROEPFER, GEORGE J, JR	MOLECULAR AND CELL BIOCHEMISTRY AND BIOLOGY	1T32 GM07833-01	73,385
ORGANIZATION TOTAL	1 73,385		
TEXAS SOUTHERN UNIVERSITY ZIP CODE 77004			
SESSION, JOHN J	IMMUNOBIOLOGY, BIOCHEMISTRY & PSYCHOLOGY	5T32 GM07659-04	85,535
ORGANIZATION TOTAL	1 85,535		
UNIVERSITY OF HOUSTON SYSTEM--UNIVERSITY OF HOUSTON AT HOUSTON ZIP CODE 77004			
BUCKLEY, JOSEPH P	MINORITY HYPERTENSION RESEARCH DEVELOPMENT PROGRAM	3T35 HL07434-01S1	4,427
EVANS, RICHARD I	SOCIAL PSYCHOLOGY IN PREVENTING CARDIOVASCULAR DISEASE	3T32 HL07258-02S1	2,787
EVANS, RICHARD I	SOCIAL PSYCHOLOGY IN PREVENTING CARDIOVASCULAR DISEASE	5T32 HL07258-03	126,720
ORGANIZATION TOTAL	3 133,934		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON ZIP CODE 77025			
ANDREOLI, THOMAS E	PATHOPHYSIOLOGY OF MEMBRANE TRANSPORT PROCESSES	1T32 AM07408-01	67,612
CASTRO, GILBERT A	SHORT-TERM RESEARCH TRAINING	1T35 GM07871-01	52,099
DE MOSS, JOHN A	MOLECULAR BASIS OF CELL FUNCTION	5T32 GM07542-04	65,678
DUPONT, HERBERT L	ENTERIC INFECTION/ETIOLOGY, EPIDEMIOLOGY, IMMUNOLOGY	5T32 AI07128-02	39,701
LAVIS, VICTOR R	DIABETES	5T32 AM07282-03	87,986
MURPHY, SHELDON D	TOXICOLOGY	5T32 ES07090-02	109,902
PRESLOCK, JAMES P	HUMORAL REGULATION OF REPRODUCTIVE SYSTEMS	5T32 HD07119-04	33,951
ROBISON, GEORGE A	HOUSTON PHARMACOLOGICAL CENTER	5T32 GM07405-04	100,818
SPERLING, HARRY G	PHYSIOLOGY AND NEUROCHEMISTRY OF VISION	2T32 EY07024-06	73,652
ORGANIZATION TOTAL	9 631,399		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER ZIP CODE 77025			
ANDERSON, DAVID E	CANCER BIOLOGY	5T32 CA09299-03	115,051
CONRAD, FRED G	CANCER CHEMOTHERAPY	3T32 CA09163-05S1	237,243
FREIREICH, EMIL J	CLINICAL PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS	5T32 CA09189-05	288,654
HUMPHREY, RONALD M	RADIATION ONCOLOGY	5T32 CA09191-03	76,454
VAN EYS, JAN	PEDIATRIC HEMATOLOGY AND ONCOLOGY	2T32 CA09070-06	96,161
ORGANIZATION TOTAL	5 813,563		
LUBSOCK			
TEXAS TECH UNIVERSITY ZIP CODE 79409			
BARNES, CHARLES D	FACTORS MODIFYING CARDIOVASCULAR ACTIVITY	5T32 HL07289-04	68,156
BARNES, CHARLES D	SHORT-TERM RESEARCH TRAINING	1T35 HL07474-01	15,196
ORGANIZATION TOTAL	2 83,352		
PRAIRIE VIEW			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--PRAIRIE VIEW A & M UNIVERSITY ZIP CODE 77445			
WASHINGTON, ARTHUR C	BIOMEDICAL SCIENCES	5T32 GM07695-04	55,690
ORGANIZATION TOTAL	1 55,690		
SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT SAN ANTONIO ZIP CODE 78285			
SILBER, HERBERT B	CELLULAR AND MOLECULAR BIOLOGY	1T32 GM07717-01	59,642
ORGANIZATION TOTAL	1 59,642		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
TEXAS—Continued			
UNIVERSITY OF TEXAS SYSTEM–UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO ZIP CODE 78284			
JOHANSON, WALDEMAR G, JR	LUNG DISEASES–MULTIDISCIPLINARY	3T32 HL07221-04S1	2,268
JOHANSON, WALDEMAR G, JR	LUNG DISEASES–MULTIDISCIPLINARY	5T32 HL07221-05	37,668
MC GUIRE, WILLIAM L	MECHANISMS OF BREAST CANCER GROWTH AND REGRESSION	2T32 CA09042-06A1	68,251
MC NAY, JOHN L, JR	CLINICAL PHARMACOLOGY	5T32 GM07014-06	32,699
O'ROURKE, ROBERT A	CARDIOVASOLOGY	5T32 HL07350-03	118,852
PAUERSTEIN, CARL J	REPRODUCTIVE BIOLOGY	5T32 HD07139-03	22,590
SCHWARTZ, COLIN J	PATHOBIOLOGY OF OCCLUSIVE VASCULAR DISEASE	5T32 HL07446-02	122,854
STEIN, JAY H	ACADEMIC NEPHROLOGY	2T32 AM07103-06	115,360
ORGANIZATION TOTAL	8 520,542		
STATE TOTAL	70 5,285,555		
UTAH			
LOGAN			
UTAH STATE HIGHER EDUCATION SYSTEM–UTAH STATE UNIVERSITY ZIP CODE 84322			
STREET, JOSEPH C	TOXICOLOGY	5T32 ES07097-02	98,400
ORGANIZATION TOTAL	1 98,400		
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM–UNIVERSITY OF UTAH ZIP CODE 84112			
ATHENS, JOHN W	HEMATOLOGY	2T32 AM07115-06	82,241
BROOM, ARTHUR D	CANCER CHEMOTHERAPY	5T32 CA09038-03	90,540
DETHLEFSEN, LYLE A	RADIATION BIOLOGY AND EXPERIMENTAL ONCOLOGY	2T32 CA09097-06	63,695
EYZAGUIRRE, CARLOS E	NEURAL AND MUSCLE TISSUE–MULTIDISCIPLINARY	1T32 NS07172-01	51,920
FRANKLIN, MICHAEL R	PHARMACOLOGICAL SCIENCES	5T32 GM07579-03	118,372
GLASGOW, LOWELL A	INFECTIOUS DISEASES	5T32 AI07011-05	106,946
LARK, KARL G	BASIC AND MEDICAL GENETICS	1T32 GM07825-01	63,549
VELICK, SIDNEY F	CELLULAR AND MOLECULAR BIOLOGY	5T32 GM07531-03	59,380
VICKERY, ROBERT K, JR	GENETICS	5T32 GM07464-04	75,730
WONG, KUANG-CHUNG	ANESTHESIOLOGY	1T32 GM07613-01A2	22,065
ORGANIZATION TOTAL	10 734,438		
STATE TOTAL	11 832,838		
VERMONT			
BURLINGTON			
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE ZIP CODE 05405			
BRESNICK, EDWARD	CANCER BIOLOGY	5T32 CA09286-03	95,912
CRAIGHEAD, JOHN E	RESPIRATORY DISEASES	5T32 HL07206-05	58,316
KRAKOFF, IRWIN H	CANCER CHEMOTHERAPY	5T32 CA09324-03	37,004
ORGANIZATION TOTAL	3 191,232		
STATE TOTAL	3 191,232		
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA CHARLOTTESVILLE ZIP CODE 22903			
ADLER, PAUL N	EARLY DEVELOPMENT	5T32 HD07192-02	135,737

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
VIRGINIA—Continued			
ATTINGER, ERNST O	HEALTH SCIENCES AND COMPUTER TECHNOLOGY	1T15 LM07025-01	87,976
ATTINGER, ERNST O	SYSTEMS PHYSIOLOGY	5T32 GM07593-02	56,495
AYERS, CARLOS R	HIGH BLOOD PRESSURE RESEARCH	5T32 HL07355-03	113,923
BERNE, ROBERT M	BASIC CARDIOVASCULAR RESEARCH	5T32 HL07284-04	170,425
BILTONEN, RODNEY L	MEMBRANE AND MACROMOLECULAR STRUCTURE AND FUNCTION	2T32 GM07294-06	54,973
BILTONEN, RODNEY L	SHORT-TERM RESEARCH TRAINING	1T35 AM07419-01	68,954
DAVIS, JOHN S, IV	IMMUNOPATHOLOGY OF RHEUMATIC DISEASES	5T32 AM07156-05	61,870
EPSTEIN, ROBERT M	ANESTHESIOLOGY	5T32 GM07590-02	44,288
GILMAN, ALFRED G	MEDICAL SCIENTIST	5T32 GM07267-04	125,879
KADNER, ROBERT J	GENETIC CONTROL OF BIOLOGICAL REGULATORY SYSTEMS	2T32 GM07082-06	89,833
LARNER, JOSEPH	PHARMACOLOGY	7T32 GM07055-06	109,736
LAWLESS, KENNETH R	CHEMICAL AND PHYSICAL PROPERTIES OF DENTAL MATERIALS	5T32 DE07046-05	45,672
MANDELL, GERALD L	INFECTIOUS DISEASES	5T32 AI07046-04	125,592
MURAD, FERID	DIABETES AND HORMONE ACTION	5T32 AM07320-03	146,509
WAGNER, ROBERT R	CANCER RESEARCH: MOLECULAR BIOLOGY	5T32 CA09109-05	268,950
ORGANIZATION TOTAL	16 1,706,812		
PETERSBURG			
VIRGINIA STATE UNIVERSITY **ZIP CODE 23803**			
POWELL, MARVIN L	BIOMEDICAL SCIENCES	1T32 GM07678-01A1	111,067
ORGANIZATION TOTAL	1 111,067		
RICHMOND			
VIRGINIA COMMONWEALTH UNIVERSITY **ZIP CODE 23284**			
GOLDMAN, I DAVID	MEMBRANE TRANSPORT OF ANTINEOPLASTIC AGENTS	5T32 CA09340-02	47,032
GOLDMAN, I DAVID	CARDIOVASOLOGY--MULTIDISCIPLINARY	3T32 HL07110-05S1	5,020
GOLDMAN, I DAVID	MEMBRANE PHENOMENA RELEVANT TO CARDIOVASCULAR DISEASES	2T32 HL07110-06A1	45,570
KAPLAN, ALAN M	CANCER ETIOLOGY AND TREATMENT	5T32 CA09210-03	98,941
MORAHAN, PAGE S	CANCER ETIOLOGY AND TREATMENT	5T32 CA09036-03	109,590
MUNSON, ALBERT E	TOXICOLOGY	5T32 ES07087-02	122,712
NANCE, WALTER E	HUMAN GENETICS	5T32 GM07492-04	53,023
OREN, DONALD E	NEPHROLOGY BASIC RESEARCH	1T32 AM07371-01	46,211
PHIBBS, PAUL V, JR	INFECTIOUS DISEASES	5T32 AI07086-04	100,642
RICHARDSON, DAVID W	MINORITY HYPERTENSION RESEARCH DEVELOPMENT	5T35 HL07309-04	25,707
RUDDY, SHAUN	PATHOGENESIS AND TREATMENT OF RHEUMATIC DISEASES	5T32 AM07079-04	48,598
VLAHCEVIC, Z RENO	DIGESTIVE AND LIVER DISEASES	5T32 AM07150-05	61,577
WEGLICKI, WILLIAM B	MECHANISMS OF CARDIOVASCULAR INJURY	3T32 HL07244-03S1	21,749
WEGLICKI, WILLIAM B	MECHANISMS OF CARDIOVASCULAR INJURY	5T32 HL07244-04	132,934
ORGANIZATION TOTAL	14 919,306		
STATE TOTAL	31 2,737,185		
WASHINGTON			
PULLMAN			
WASHINGTON STATE UNIVERSITY **ZIP CODE 99163**			
HUTER, WILLIAM G	SHORT-TERM RESEARCH TRAINING	1T35 RR07013-01	13,075
MC GUIRE, TRAVIS C	IMMUNOLOGY	5T32 AI07025-04	82,118
MC GUIRE, TRAVIS C	PATHOBIOLOGY	1T32 GM07853-01	62,584
ORGANIZATION TOTAL	3 157,727		
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER **ZIP CODE 98104**			
BERNSTEIN, IRWIN D	PEDIATRIC ONCOLOGY	3T32 CA09351-01S1	4,847

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
WASHINGTON—Continued			
BERNSTEIN, IRWIN D	PEDIATRIC ONCOLOGY	5T32 CA09351-02	49,878
ORGANIZATION TOTAL	2 54,725		
UNIVERSITY OF WASHINGTON	**ZIP CODE 98195**		
BASSINGTHWAIGHTE, JAMES B	CARDIOVASCULAR BIOENGINEERING	3T32 HL07403-02S1	18,708
BASSINGTHWAIGHTE, JAMES B	CARDIOVASCULAR BIOENGINEERING	5T32 HL07403-03	149,862
BENDITT, EARL P	EXPERIMENTAL PATHOLOGY OF CARDIOVASCULAR DISEASE	3T32 HL07312-02S1	7,247
BENDITT, EARL P	EXPERIMENTAL PATHOLOGY OF CARDIOVASCULAR DISEASE	5T32 HL07312-03	163,748
BIERMAN, EDWIN L	NUTRITION, LIPID METABOLISM, AND ARTERIOSCLEROSIS	5T32 HL07028-05	43,601
BIERMAN, EDWIN L	DIABETES, METABOLISM, AND ENDOCRINOLOGY	5T32 AM07247-04	144,919
BUTLER, JOHN	RESPIRATORY PHYSIOLOGY	5T32 HL07287-03	119,082
CARRICO, C JAMES	TRAUMA AND BURNS	2T32 GM07037-06	82,708
DE ROUEN, TIMOTHY A	CARDIOVASCULAR BIOSTATISTICS	5T32 HL07183-05	141,516
DODGE, HAROLD T	CARDIOVASCULAR RESEARCH	5T32 HL07278-04	101,993
FALKOW, STANLEY	BIOLOGIC BASIS OF INFECTION AND ITS CONTROL	5T32 AI07149-03	86,157
FEIGL, ERIC O	MULTIDISCIPLINARY HEART AND VASCULAR DISEASES	2T32 HL07090-06	118,044
FINCH, CLEMENT A	HEMATOLOGY AND NUTRITIONAL ANEMIAS	5T32 AM07237-04	35,864
FOY, HJORDIS M	EPIDEMIOLOGY OF INFECTIOUS DISEASES	5T32 AI07125-04	81,874
GORDON, MILTON P	MOLECULAR AND CELLULAR BIOLOGY	2T32 GM07270-06	328,231
HARKER, LAURENCE A	HEMATOLOGY	3T32 HL07093-05S1	4,148
HARKER, LAURENCE A	HEMATOLOGY	2T32 HL07093-06	140,849
HOLMES, KING K	VENEREAL DISEASE	3T32 AI07140-02S1	3,500
HOLMES, KING K	VENEREAL DISEASE	5T32 AI07140-03	57,905
HORNBEIN, THOMAS F	ANESTHESIA RESEARCH	5T32 GM07604-02	103,373
JACKSON, KENNETH L	RADIOLOGICAL SCIENCES	5T32 CA09081-05	81,484
KALINA, ROBERT E	VISION RESEARCH--MULTIDISCIPLINARY	2T32 EY07013-06	53,914
KELLER, PATRICIA J	ORAL BIOLOGY--SALIVARY SECRETIONS	2T32 DE07023-06	87,074
KELLEY, VINCENT C	ABNORMAL BIOLOGIC DEVELOPMENT AND MENTAL RETARDATION	5T32 HD07177-02	69,332
KLEBANOFF, SEYMOUR J	HOST DEFENSE IN ALLERGY AND INFECTIOUS DISEASE	5T32 AI07044-05	185,575
LEE, JOHN A	CANCER EPIDEMIOLOGY AND BIOSTATISTICS	2T32 CA09168-06	192,704
LOEB, LAWRENCE A	BASIC PATHOBIOLOGY	2T32 GM07187-06	65,916
[redacted], MART	RHEUMATOLOGY	2T32 AM07108-06	97,893
MARTIN, GEORGE M	GENETIC APPROACHES TO AGING RESEARCH	5T32 AG00057-03	80,605
MOTTET, N KARLE	ENVIRONMENTAL PATHOLOGY/PATHOPHYSIOLOGY	5T32 ES07032-03	129,558
MOTULSKY, ARNO G	MEDICAL GENETICS	5T32 GM07454-04	93,843
NELSON, WENDEL L	DRUG ACTION, METABOLISM AND KINETICS	5T32 GM07750-02	81,129
NOWINSKI, ROBERT C	VIRAL ONCOLOGY	5T32 CA09229-03	120,336
ODLAND, GEORGE F	DERMATOLOGY	2T32 AM07019-06	95,357
PAGE, ROY C	PERIODONTAL DISEASES AND CHRONIC INFLAMMATION	5T32 DE07063-05	123,531
PATTON, HARRY D	NEUROBIOLOGY	2T32 GM07108-06	90,114
PATTON, HARRY D	NEUROBIOLOGY	3T32 NS07097-02S1	3,224
PATTON, HARRY D	NEUROBIOLOGY	5T32 NS07097-03	83,032
ROMAN, HERSCHEL L	GENETICS: GENERAL AND MEDICAL	5T32 GM07735-02	195,381
STRIKER, GARY E	MEDICAL SCIENTIST	2T32 GM07266-06	745,746
STRIKER, GARY E	SHORT-TERM RESEARCH TRAINING	1T35 GM07917-01	76,050
TELLER, DAVIDA Y	VISUAL SCIENCES	5T32 EY07031-05	47,973
THOMAS, E DONNALL	ONCOLOGY	5T32 CA09319-03	200,835
VOLWILER, WADE	GASTROENTEROLOGY	5T32 AM07113-06	16,176
VOLWILER, WADE	GASTROENTEROLOGY	2T32 AM07113-07	44,384
WARD, ARTHUR A JR	CLINICAL INVESTIGATION	5T32 NS07144-02	87,337
WHITELEY, ARTHUR H	DEVELOPMENT BIOLOGY, INTERDISCIPLINARY	5T32 HD07183-02	109,771
ORGANIZATION TOTAL	47 4,632,544		
STATE TOTAL	57 4,844,996		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director	General area of training	Grant number	Dollars
WEST VIRGINIA			
MORGANTOWN			
WEST VIRGINIA UNIVERSITY ZIP CODE 26506			
FLEMING, WILLIAM W	PHARMACOLOGICAL SCIENCES	2T32 GM07039-06	79,593
HEDGE, GEORGE A	ENDOCRINOLOGY	5T32 AM07312-03	90,094
ORGANIZATION TOTAL	2 169,687		
STATE TOTAL	2 169,687		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON ZIP CODE 53706			
AUERBACH, ROBERT	DEVELOPMENTAL BIOLOGY	5T32 HD07118-03	156,320
BEINERT, HELMUT	ENZYMOLOGY RELATED TO MAMMALIAN METABOLISM	2T32 AM07049-07	52,279
BUMPASS, LARRY L	DEMOGRAPHY AND ECOLOGY	3T32 HD07014-05S1	21,697
BUMPASS, LARRY L	DEMOGRAPHY AND ECOLOGY	2T32 HD07014-06	63,301
CAMERON, JOHN R	RADIOLOGICAL SCIENCES	5T32 CA09206-03	139,467
HARPER, ALFRED E	METABOLIC REGULATION AND WEIGHT CONTROL	5T32 GM07058-04	70,215
HIND, JOSEPH E	SENSORY PHYSIOLOGY AND BIOPHYSICS	2T32 NS07026-05	77,872
HINSDILL, RONALD D	ENVIRONMENTAL TOXICOLOGY	2T32 ES07015-06	290,237
HONG, RICHARD	CELLULAR AND TUMOR IMMUNITY	5T32 CA09106-05	276,486
KALIL, RONALD E	NEUROSCIENCES	5T32 GM07507-03	67,996
MILLER, ELIZABETH C	CHEMICAL CARCINOGENESIS	5T32 CA09070-06	131,502
MUELLER, GERALD C	TUMOR BIOLOGY	5T32 CA09230-05	126,321
PITOT, HENRY C	EXPERIMENTAL ONCOLOGY	2T32 CA09135-06	465,507
SIMPSON, DAVID P	NEPHROLOGY	5T32 AM07238-04	28,891
SUSMAN, MILLARD	GENETICS	2T32 GM07133-06	140,687
SUTTIE, JOHN W	NUTRITION	2T32 DE07031-06	50,556
TEMIN, HOWARD M	VIRAL ONCOLOGY	2T32 CA09075-06	249,345
TULUNAY-KEESEY, ULKER	VISUAL SCIENCES	5T32 EY07059-02	173,102
WELLS, ROBERT D	CELLULAR AND MOLECULAR BIOLOGY	2T32 GM07215-06	652,608
WOLF, RICHARD C	ENDOCRINOLOGY REPRODUCTIVE PHYSIOLOGY	5T32 HD07007-04	137,689
ORGANIZATION TOTAL	20 3,377,068		
MILWAUKEE			
MEDICAL COLLEGE OF WISCONSIN ZIP CODE 53226			
ASTER, RICHARD H	HEMATOLOGY AND BLOOD BANKING SCIENCES	5T32 HL07209-05	45,098
EDELHAUSER, HENRY F	EYE PHYSIOLOGY AND BIOCHEMISTRY	2T32 EY07016-06	32,357
FUJIMOTO, JAMES T	PHARMACOLOGIC TOXICOLOGY OF ENVIRONMENTAL CHEMICALS	5T32 ES07043-04	123,699
GROSSBERG, SIDNEY E	SHORT-TERM RESEARCH TRAINING	1T35 GM07892-01	13,025
SOERGEL, KONRAD H	PATHOPHYSIOLOGY AND GASTROENTEROLOGY	5T32 AM07267-03	44,877
ORGANIZATION TOTAL	5 259,056		
STATE TOTAL	25 3,631,124		
PUERTO RICO			
PONCE			
CATHOLIC UNIVERSITY OF PUERTO RICO ZIP CODE 00731			
MERCADO, CARMEN M	BIOCHEMISTRY OF THE NUCLEIC ACIDS	1T32 GM07732-01A1	63,832
ORGANIZATION TOTAL	1 63,832		

Table 3.—NIH Training Grants, by Area, Organization, and Program Director, Fiscal Year 1980—Continued

Program director		General area of training	Grant number	Dollars
PUERTO RICO—Continued				
SAN JUAN				
UNIVERSITY OF PUERTO RICO RIO PIEDRAS ZIP CODE 00931				
LARSON, GERALD L		BIOMEDICAL SCIENCES	1T32 GM07821-01A1	106,466
ORGANIZATION TOTAL	1	106,466		
STATE TOTAL	2	170,298		

Table 4.—Cancer Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980

Responsible official	Purpose of grant		Grant number	Dollars
TOTAL, 10 GRANTS				10,813,603
CALIFORNIA				
LA JOLLA				
UNIVERSITY OF CALIFORNIA AT SAN DIEGO ZIP CODE 92093				
POWERS, CHARLES B	CANCER RESEARCH FACILITY		1C06 CA25814-01S1	965,367
ORGANIZATION TOTAL	1	965,367		
STATE TOTAL	1	965,367		
MARYLAND				
BALTIMORE				
JOHNS HOPKINS UNIVERSITY ZIP CODE 21218				
ROSEMAN, SAUL	EXPAND CANCER RESEARCH FACILITY		3C06 CA7495[illegible]-01S1	801,747
ROSEMAN, SAUL	CANCER BIOLOGY RESEARCH FACILITY		1C06 CA26698-01	2,093,080
ORGANIZATION TOTAL	2	2,894,827		
STATE TOTAL	2	2,894,827		
MASSACHUSETTS				
CAMBRIDGE				
HARVARD UNIVERSITY ZIP CODE 02138				
ORF, HARRY W	CANCER RESEARCH FACILITY		1C06 CA26144-01	111,450
ORGANIZATION TOTAL	1	111,450		
STATE TOTAL	1	111,450		
MICHIGAN				
DETROIT				
MICHIGAN CANCER FOUNDATION ZIP CODE 48201				
PETTIT, JOHN W	CANCER RESEARCH FACILITY		1C06 CA21123-01A2S1	300,000
ORGANIZATION TOTAL	1	300,000		
STATE TOTAL	1	300,000		

NOTE: For comments on organizations, see Appendix.

Table 4.—Cancer Research Facilities Construction Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official	Purpose of grant		Grant number	Dollars
MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA OF MINNEAPOLIS-SAINT PAUL ZIP CODE 55455				
RUPPRECHT, PAUL	TOXIC MATERIAL HANDLING FACILITY			
ORGANIZATION TOTAL	1	221,530	1C06 CA28136-01	221,530
STATE TOTAL	1	221,530		
NEW YORK				
BUFFALO				
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE ZIP CODE 14263				
MIHICH, ENRICO	CANCER RESEARCH FACILITY			
ORGANIZATION TOTAL	1	645,300	1C06 CA28150-01	645,300
ITHACA				
CORNELL UNIVERSITY ITHACA ZIP CODE 14853				
CURRY, PETER	CANCER RESEARCH FACILITY			
ORGANIZATION TOTAL	1	169,500	1C06 CA28152-01	169,500
STATE TOTAL	2	814,800		
TENNESSEE				
MEMPHIS				
ST. JUDE CHILDREN'S RESEARCH HOSPITAL ZIP CODE 38101				
HARRINGTON, R L	ANIMAL CARE FACILITY			
ORGANIZATION TOTAL	1	901,956	3C06 CA25868-01S1	901,956
STATE TOTAL	1	901,956		
WASHINGTON				
SEATTLE				
FRED HUTCHINSON CANCER RESEARCH CENTER ZIP CODE 98104				
HUTCHINSON, WILLIAM B	CANCER RESEARCH FACILITY			
ORGANIZATION TOTAL	1	4,603,673	1C06 CA23718-01A1	4,603,673
STATE TOTAL	1	4,603,673		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980

Project director	Project title	Grant number	Dollars
TOTAL, 119 GRANTS			22,886,530
ALABAMA			
BIRMINGHAM			
UNIVERSITY OF ALABAMA SYSTEM–UNIVERSITY OF ALABAMA IN BIRMINGHAM ZIP CODE 35294			
BUTTERWORTH, C E, JR	NUTRITIONAL SUPPORT & REHABILITATION FOR CANCER PATIENTS	5R18 CA17928-05	93,509
GAMS, RICHARD A	CANCER CONTROL–DEVELOPMENTAL AND SUPPORT GRANT	3R18 CA22842-0252	110,308
SHINGLETON, HUGH M	GYNECOLOGIC CANCER EDUCATION	5R18 CA24118-02	221,316
ORGANIZATION TOTAL	3 425,133		
STATE TOTAL	3 425,133		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY ZIP CODE 94720			
COVINGTON, MARTIN V	SMOKING PREVENTION IN YOUTH: MOTIVATIONAL STRATEGIES	1R18 CA29558-01	112,372
ORGANIZATION TOTAL	1 112,372		
LOMA LINDA			
LOMA LINDA UNIVERSITY ZIP CODE 92354			
HART, RICHARD H	FACTORS IN SELF-HELP SMOKING CESSATION ATTEMPTS	1R18 CA27092-01	159,453
ORGANIZATION TOTAL	1 159,453		
LOS ANGELES			
CHILDREN'S HOSPITAL OF LOS ANGELES ZIP CODE 90027			
KELLERMAN, JONATHAN	PAIN AND ANXIETY IN CHILDREN WITH ACUTE LEUKEMIA	5R18 CA26292-02	42,521
ORGANIZATION TOTAL	1 42,521		
UNIVERSITY OF CALIFORNIA AT LOS ANGELES ZIP CODE 90024			
BERKANOVIC, EMIL	PROCESSES IN HEALTH BEHAVIOR AND CANCER CONTROL	5R18 CA18451-05	88,065
CULLEN, JOSEPH W	CANCER CONTROL DEVELOPMENTAL OUTREACH GRANT	3R18 CA23974-0251	53,381
ORGANIZATION TOTAL	2 141,446		
UNIVERSITY OF SOUTHERN CALIFORNIA ZIP CODE 90007			
GEORGE, FREDERICK W, III	COMMUNITY RADIATION ONCOLOGY PROGRAM	5R18 CA25117-02	186,200
MC KENNA, ROBERT J	REGIONAL ACTIVITIES CANCER CENTER	5R18 CA16419-06	606,261
MORROW, C PAUL	MODEL REGIONAL TROPHOBLASTIC DISEASE PROGRAM	2R18 CA20749-04	89,759
ORGANIZATION TOTAL	3 882,220		

NOTE: Grants are listed according to the State or Country and City of the component part of the organization professionally responsible for the work (see Technical Note, p. vii). If an organization appears in more than one geographic location or requires a clarifying comment, appropriate annotations have been made in the Appendix.

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
CALIFORNIA—Continued			
PALO ALTO			
NORTHERN CALIFORNIA CANCER PROGRAM, INC. ZIP CODE 94304			
CARTER, STEPHEN K	NCOG ED./DEMO. PROGRAM FOR COMMUNITY HEALTH PROVIDERS	5R18 CA24751-02	435,138
GOTTFRIED, DEANNE F	NORTHERN CALIFORNIA CANCER CONTROL	5R18 CA22721-03	651,723
ORGANIZATION TOTAL	2 1,086,861		
SAN DIEGO			
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--SAN DIEGO STATE UNIVERSITY ZIP CODE 92182			
SPINETTA, JOHN J	ADJUSTMENT AND ADAPTATION IN CHILDREN WITH CANCER	2R18 CA21254-04	215,816
ORGANIZATION TOTAL	1 215,816		
SAN FRANCISCO			
INSTITUTES OF MEDICAL SCIENCES ZIP CODE 94115			
SYME, S LEONARD	THE SELF-HELP PROCESS IN SMOKING CESSATION	1R18 CA27332-01A1	93,770
ORGANIZATION TOTAL	1 93,770		
STATE TOTAL	12 2,734,459		
COLORADO			
DENVER			
COLORADO REGIONAL CANCER CENTER ZIP CODE 80206			
BERG, JOHN W	MONITORING FOR CANCER RISKS	5R18 CA25254-02	100,385
ORGANIZATION TOTAL	1 100,385		
UNIVERSITY OF COLORADO SYSTEM--UNIVERSITY OF COLORADO HEALTH SCIENCE CENTER ZIP CODE 80262			
KIRSCH, WOLFF M	PAIN CONTROL IN CANCER PATIENTS	3R18 CA20370-03S2	12,076
ORGANIZATION TOTAL	1 12,076		
UNIVERSITY OF DENVER ZIP CODE 80210			
ARNOLD, MARY F	CANCER IN WOMEN RECEIVING EXOGENOUS ESTROGENS	7R18 CA29543-01	115,849
ORGANIZATION TOTAL	1 115,849		
STATE TOTAL	3 228,310		
CONNECTICUT			
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER ZIP CODE 06032			
KEGELES, S STEPHEN	WOMAN'S ACCEPTANCE OF BREAST SELF-EXAMINATION	5R18 CA26216-02	111,604
ORGANIZATION TOTAL	1 111,604		
HARTFORD			
CONNECTICUT STATE DEPARTMENT OF HEALTH SERVICES ZIP CODE 06115			
LEWIS, JOHN N	DIETHYLSTILBESTROL AND TESTICULAR CANCER IN CONNECTICUT	1R18 CA27179-01	68,873
ORGANIZATION TOTAL	1 68,873		
NEW HAVEN			
YALE UNIVERSITY ZIP CODE 06520			
DIXON, JANE	NURSING INTERVENTIONS IN NUTRITION OF CANCER PATIENTS	5R18 CA26619-02	150,452

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
CONNECTICUT—Continued			
GENEL, MYRON	MONITORING FAMILIAL MEDULLARY CARCINOMA OF THE THYROID	5R1S CA18863-05	51,771
KOHORN, ERNEST I	COUNSELING TECHNIQUES FOR CANCER PATIENTS	1R18 CA27767-01	104,031
ORGANIZATION TOTAL	3 306,254		
STATE TOTAL	5 486,731		
DELAWARE			
WILMINGTON			
WILMINGTON MEDICAL CENTER ZIP CODE 19801			
WHITNEY, LESLIE W	TUMOR CONTROL CENTER PROGRAM	5R18 CA18940-04	218,200
ORGANIZATION TOTAL	1 218,200		
STATE TOTAL	1 218,200		
DIST OF COL			
WASHINGTON			
HOWARD UNIVERSITY ZIP CODE 20059			
WHITE, JACK E	CANCER CENTER COMMUNITY OUTREACH DEVELOPMENTAL GRANT	3R18 CA18510-03S1	31,060
WHITE, JACK E	CANCER CENTER COMMUNITY OUTREACH DEVELOPMENTAL GRANT	2R18 CA18510-04	404,923
ORGANIZATION TOTAL	2 435,983		
STATE TOTAL	2 435,983		
FLORIDA			
GAINESVILLE			
FLORIDA ASSOCIATION OF PEDIATRIC TUMOR PROGRAMS ZIP CODE 32610			
TALBERT, JAMES L	COMMUNITY CHILDHOOD CANCER CONTROL FOR FLORIDA	5R18 CA22049-02	55,130
ORGANIZATION TOTAL	1 55,130		
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA ZIP CODE 32611			
PENNYPACKER, HENRY S	SIMULATED BREASTS FOR THE TRAINING OF LUMP DETECTION	5P18 CA20791-03	205,300
ORGANIZATION TOTAL	1 205,300		
MIAMI			
UNIVERSITY OF MIAMI ZIP CODE 33101			
HEALEY, JOHN E, JR	CANCER CONTROL DEVELOPMENTAL AND SUPPORT GRANT	3R18 CA17910-05S1	73,343
ORGANIZATION TOTAL	1 73,343		
STATE TOTAL	3 333,773		
ILLINOIS			
CHICAGO			
AMERICAN COLLEGE OF SURGEONS ZIP CODE 60611			
CARR, DAVID T	AMERICAN JOINT COMMITTEE (CANCER STAGING)	2R18 CA11606-11	102,861
ORGANIZATION TOTAL	1 102,861		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
ILLINOIS—Continued			
CHILDREN'S MEMORIAL HOSPITAL ZIP CODE 60614			
SCHULMAN, JEROME L	COPING IN FAMILIES WITH A LEUKEMIC CHILD	5R18 CA19344-05	72,603
ORGANIZATION TOTAL 1	72,603		
ILLINOIS CANCER COUNCIL ZIP CODE 60603			
OLESKE, DENISE	DEMONSTRATION PROJECT: HOME NURSING FOR CANCER PATIENTS	1R18 CA27555-01	210,992
STEINER, JAN W	COORDINATED REGIONAL CANCER CONTROL PROGRAM	2R18 CA20071-04A1	578,231
WARNECKE, RICHARD B	CANCER INFORMATION NEEDS IN ILLINOIS	2R18 CA21954-04	187,882
ORGANIZATION TOTAL 3	977,111		
NORTHWESTERN UNIVERSITY ZIP CODE 60611			
BOND, GARY R	EVALUATION OF COUNSELING FOR MASTECTOMY PATIENTS	1R18 CA27912-01	117,222
LOGEMANN, JERILYN A	EVALUATION OF REHABILITATION OF OROPHARYNGEAL CANCER	5R18 CA18901-06	64,361
ORGANIZATION TOTAL 2	181,583		
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER--RUSH UNIVERSITY ZIP CODE 60612			
GORDON, LAURA B	ASSESSING THE EFFECTS OF COUNSELING CANCER PATIENTS	1R18 CA27676-01	202,740
ORGANIZATION TOTAL 1	202,740		
UNIVERSITY OF CHICAGO ZIP CODE 60637			
BIBBO, MARLUCE	ASSESSMENT OF TECHNICS FOR ENDOMETRIAL CANCER DETECTION	2R18 CA22460-03	62,914
ROBSON, MARTIN C	REHABILITATION OF THE HEAD AND NECK CANCER PATIENT	3R18 CA20396-02S1	14,754
ORGANIZATION TOTAL 2	77,668		
STATE TOTAL 10	1,614,566		
INDIANA			
INDIANAPOLIS			
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS ZIP CODE 46202			
BAEHNER, ROBERT L	PREVENTION/REVERSAL OF MALNUTRITION IN NEUROBLASTOMA	1R18-CA28005-01	57,240
ORGANIZATION TOTAL 1	57,240		
STATE TOTAL 1	57,240		
IOWA			
IOWA CITY			
UNIVERSITY OF IOWA ZIP CODE 52242			
KISKER, C THOMAS	COMMUNITY BASED THERAPY FOR CHILDREN WITH CANCER	3R18 CA18139-05S1	65,377
ORGANIZATION TOTAL 1	65,377		
STATE TOTAL 1	65,377		
KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS COLLEGE OF HEALTH SCIENCES AND HOSPITAL ZIP CODE 66103			
CAIRNS, NANCY U	PEDIATRIC CANCER CONTROL: SCHOOL AND NURSING OUTREACH	5R18 CA25271-02	151,794
LANSKY, SHIRLEY B	CHILDHOOD CANCER: PSYCHOSOCIAL REHABILITATION	5R18 CA17806-06	164,710
ORGANIZATION TOTAL 2	316,504		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
KANSAS—Continued			
TOPEKA			
MENNINGER FOUNDATION ZIP CODE 66601			
HYLAND, JOSEPH M	COUNSELING TECHNIQUES FOR BREAST CANCER PATIENTS	1R18 CA26878-01	89,709
ORGANIZATION TOTAL	1 89,709		
STATE TOTAL	3 406,213		
KENTUCKY			
HYDEN			
FRONTIER NURSING SERVICE ZIP CODE 41749			
WASSON, ANNE A	RURAL ONCOLOGY DEMONSTRATION PROJECT	1R18 CA26795-01A1	74,184
ORGANIZATION TOTAL	1 74,184		
LEXINGTON			
EPHRAIM MC DOWELL CANCER RESEARCH FOUNDATION CORPORATION ZIP CODE 40503			
ANDREWS, CLAUDIA J	CANCER HOPELINE: INFORMATION/SUPPORT SYSTEM	5R18 CA26437-02	80,305
BLUES, ANN G	COMMUNITY OUTREACH DEVELOPMENT PROGRAM	2R18 CA22124-04	194,093
ORGANIZATION TOTAL	2 274,398		
UNIVERSITY OF KENTUCKY ZIP CODE 40506			
BLUES, ANN G	HOME CARE FOR THE TERMINALLY ILL: A STUDY OF 3 MODELS	5R18 CA26682-02	68,429
ORGANIZATION TOTAL	1 68,429		
LOUISVILLE			
UNIVERSITY OF LOUISVILLE ZIP CODE 40208			
MOORE, CONDICT	CANCER CONTROL DEVELOPMENTAL AND SUPPORT GRANT	5R18 CA22091-03	347,650
ORGANIZATION TOTAL	1 347,650		
STATE TOTAL	5 764,661		
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY ZIP CODE 21218			
THOMAS, CAROLINE B	PSYCHOLOGICAL AND FAMILIAL PRECURSORS OF CANCER	5R18 CA24416-03	158,570
WAALKES, T PHILLIP	CANCER CONTROL DEVELOPMENT AND SUPPORT GRANT	5R18 CA17448-05	438,484
WAALKES, T PHILLIP	EXPLORATORY STUDIES FOR A STATE-WIDE CANCER NETWORK	3R18 CA20322-03S1	325,430
WANG, VIRGINIA L	ENVIRONMENTAL CANCER PREVENTION AND LABOR HEALTH EDUC	1R18 CA27557-01	119,782
ORGANIZATION TOTAL	4 1,042,266		
STATE TOTAL	4 1,042,266		
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL ZIP CODE 02115			
ABRAMS, HERBERT L	EFFICACY STUDIES OF DIAGNOSTIC X RAY EXAMINATIONS	1R18 CA28847-01	157,244
ORGANIZATION TOTAL	1 157,244		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
MASSACHUSETTS—Continued			
BOSTON UNIVERSITY ZIP CODE 02215			
WATSON, PAMELA G	COUNSELING TECHNIQUES FOR CANCER PATIENTS	1R18 CA27630-01	19,232
ORGANIZATION TOTAL	1 19,232		
HARVARD UNIVERSITY ZIP CODE 02115			
GARVEY, ARTHUR J	INFORMAL SELF-HELP APPROACHES TO SMOKING CESSATION	1R18 CA29479-01	72,591
ORGANIZATION TOTAL	1 72,591		
MASSACHUSETTS GENERAL HOSPITAL ZIP CODE 02114			
WEISMAN, AVERY D	RECURRENT CANCER AND ITS PSYCHOSOCIAL CONSEQUENCES	1R18 CA27020-01A1	237,780
ORGANIZATION TOTAL	1 237,780		
SIDNEY FARBER CANCER INSTITUTE ZIP CODE 02115			
PATTERSON, W BRADFORD	CANCER CONTROL DEVELOPMENTAL GRANT	3R18 CA16408-05S1	1,208,826
PATTERSON, W BRADFORD	IMPROVEMENT IN TERMINAL CARE THROUGH PHASE CONGRUENCE	1R18 CA26779-01	141,155
STONBERG, MARION F	REGIONAL DEVELOPMENT OF ONCOLOGIC SOCIAL WORK SKILLS	5R18 CA20615-03	101,067
ORGANIZATION TOTAL	3 1,451,048		
UNIVERSITY HOSPITAL ZIP CODE 02118			
FRIEDMAN, ROBERT H	CANCER CARE DATA MANAGEMENT SYSTEM	5R18 CA19134-03	207,315
ORGANIZATION TOTAL	1 207,315		
STATE TOTAL	8 2,145,210		
MICHIGAN			
DETROIT			
MICHIGAN CANCER FOUNDATION ZIP CODE 48201			
INGALL, JOHN R	EXPLORATORY GRANT FOR CANCER CONTROL AT CANCER CENTERS	1R18 CA29023-01	361,745
ORGANIZATION TOTAL	1 361,745		
STATE TOTAL	1 361,745		
MINNESOTA			
ROCHESTER			
MAYO FOUNDATION ZIP CODE 55901			
AHMANN, DAVID L	EXPLORATORY GRANT FOR CANCER CONTROL	1R18 CA29354-01	299,243
CHAO, EDMUND Y	CANCER REHABILITATION PROGRAM	5R18 CA23751-02	194,605
ORGANIZATION TOTAL	2 493,848		
STATE TOTAL	2 493,848		
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE ZIP CODE 03755			
COLTON, THEODORE	CANCER RISK AMONG WOMEN EXPOSED TO DES IN PREGNANCY	1R18 CA27112-01	301,346
GREENBERG, ROBERT E	PATTERNS OF CARE IN ONCOLOGY	1R18 CA26690-01	161,120
ORGANIZATION TOTAL	2 462,466		
STATE TOTAL	2 462,466		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
NEW YORK			
ALBANY			
NEW YORK STATE DEPARTMENT OF HEALTH ZIP CODE 12237			
STANDFAST, SUSAN J	EDUCATIONAL APPROACHES TO ENDOMETRIAL CANCER CONTROL	1R18 CA25280-01A1	192,188
ORGANIZATION TOTAL	1 192,188		
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE ZIP CODE 14263			
FREEMAN, ARNOLD I	CNS PROPHYLAXIS IN CHILDHOOD ACUTE LYMPHOCYTIC LEUKEMIA	5R18 CA25402-02	158,579
METTLIN, CURTIS J	CANCER CONTROL OUTREACH PROGRAM	5R18 CA16411-06	432,067
WALLACE, HAROLD J, JR	DEMONSTRATION UNIT FOR ADOLESCENT CANCER PATIENTS	3R18 CA20617-02S1	22,385
ORGANIZATION TOTAL	3 613,031		
MANHASSET			
NORTH SHORE UNIVERSITY HOSPITAL ZIP CODE 11030			
VINCIGUERRA, VINCENT P	IMPROVED CANCER CARE THROUGH A HOME PROGRAM	1R18 CA27683-01	107,660
ORGANIZATION TOTAL	1 107,660		
NEW YORK			
AMERICAN HEALTH FOUNDATION ZIP CODE 10017			
ARNOLD, CHARLES B	PRIMARY PREVENTION OF CANCER IN CHILDHOOD	1R18 CA25521-01	407,204
ORGANIZATION TOTAL	1 407,204		
COLUMBIA UNIVERSITY ZIP CODE 10027			
ROGERS, THERESA F	RESOURCES THAT AID THE RECOVERY OF CANCER PATIENTS	2R18 CA22219-04	140,074
ORGANIZATION TOTAL	1 140,074		
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES ZIP CODE 10021			
DE COSSE, JEROME J	NUTRITIONAL REHABILITATION IN HEAD AND NECK CANCER	1R18 CA28072-01	227,012
HOLLAND, JIMMIE C	PREDICTIVE PSYCHOLOGIC STUDY OF BREAST RECONSTRUCTION	1R18 CA27638-01	55,048
ROBBINS, GUY F	CANCER CONTROL DEVELOPMENT GRANT	3R18 CA16402-04S1	430,996
WINAWER, SIDNEY J	CONTROL OF LARGE BOWEL CANCER FOLLOWING POLYPECTOMY	1R18 CA26852-01	237,856
ORGANIZATION TOTAL	4 950,912		
STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER ZIP CODE 11203			
CARTER, ANNE C	BREAST SELF-EXAMINATION MOTIVATING METHODS	1R18 CA28269-01	152,323
ORGANIZATION TOTAL	1 152,323		
POTSDAM			
CLARKSON COLLEGE OF TECHNOLOGY ZIP CODE 13676			
FRIEND, KENNETH E	ENVIRONMENT NEED FOR STIMULATION AND SMOKING	1R18 CA29321-01	21,975
ORGANIZATION TOTAL	1 21,975		
ROCHESTER			
UNIVERSITY OF ROCHESTER ZIP CODE 14627			
MORROW, GARY R	COUNSELING INTERVENTION FOR CHEMOTHERAPY SIDE EFFECTS	5R18 CA26832-02	46,280
SCHMALE, ARTHUR H	PSYCHOSOCIAL COLLABORATIVE GROUP FOR CANCER CONTROL	5R18 CA19681-04	336,479
WOODARD, ELIZABETH D	HUMAN RADIATION CARCINOGENESIS STUDY	2R18 CA19764-04	104,877
ORGANIZATION TOTAL	3 487,636		
STATE TOTAL	16 3,073,003		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL ZIP CODE 27514			
FOWLER, WESLEY C, JR	CANCER CONTROL AND COMMUNITY PHYSICIANS	1R18 CA27279-01	160,202
SYMONS, MICHAEL J	ENVIRONMENTAL & OCCUPATIONAL CANCER MORTALITY ESTIMATION	1R18 CA27378-01	41,788
ORGANIZATION TOTAL	2 201,990		
DURHAM			
DUKE UNIVERSITY ZIP CODE 27706			
CLIPPINGER, FRANK W	SENSORY FEEDBACK LEG PROSTHESIS FOR CANCER PATIENTS	5R18 CA17945-05	168,505
HAMMOND, CHARLES B	REGIONAL TROPHOBLASTIC DISEASE CENTER	5R18 CA19272-05	86,159
ORGANIZATION TOTAL	2 254,664		
STATE TOTAL	4 456,654		
OHIO			
CINCINNATI			
CHILDREN'S HOSPITAL MEDICAL CENTER ZIP CODE 45229			
BUNCHER, CHARLES R	CANCER CONTROL DEVELOPMENT: CINCINNATI STRATEGY	3R18 CA25299-01S1	11,474
BUNCHER, CHARLES R	CANCER CONTROL DEVELOPMENT: CINCINNATI STRATEGY	5R18 CA25299-02	160,633
ORGANIZATION TOTAL	2 172,107		
COLUMBUS			
OHIO STATE UNIVERSITY ZIP CODE 43210			
CAVALARIS, CONSTANTINE J	OHIO STATEWIDE CANCER CONTROL SUPPORT AND DEVELOPMENT	5R18 CA25657-02	467,844
ORGANIZATION TOTAL	1 467,844		
WORKERS INSTITUTE FOR SAFETY AND HEALTH ZIP CODE 43215			
RINGEN, KNUT	COMMUNITY-BASED INTERVENTION FOR HIGH-RISK WORKERS	1R18 CA27582-01	282,277
ORGANIZATION TOTAL	1 282,277		
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO ZIP CODE 43699			
SKEEL, ROLAND T	NORTHWEST OHIO CANCER NETWORK OUTREACH PROGRAM	2R18 CA21931-03	166,944
ORGANIZATION TOTAL	1 166,944		
STATE TOTAL	5 1,089,172		
OREGON			
PORTLAND			
MEDICAL RESEARCH FOUNDATION OF OREGON ZIP CODE 97225			
HUTCHINSON, ALFRED C	A CONCEPT FOR OPTIMAL CANCER CARE IN OREGON	2R18 CA21267-04	320,443
ORGANIZATION TOTAL	1 320,443		
STATE TOTAL	1 320,443		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER ZIP CODE 17033			
HOUTS, PETER S	COUNSELING CANCER PATIENTS IN COPING STRATEGIES	1R18 CA26868-01	49,320
ORGANIZATION TOTAL	1 49,320		
PHILADELPHIA			
AMERICAN COLLEGE OF RADIOLOGY-RADIATION ONCOLOGY STUDY CENTER ZIP CODE 19107			
KRAMER, SIMON	CLINICAL AND RESEARCH RADIATION THERAPY IN CANCER CARE	3R18 CA15978-06S2	945,032
ORGANIZATION TOTAL	1 945,032		
CHILDREN'S HOSPITAL OF PHILADELPHIA ZIP CODE 19104			
MEADOWS, ANNA T	CANCER INFORMATION EXCHANGE	5R18 CA26191-02	101,339
ORGANIZATION TOTAL	1 101,339		
FOX CHASE CANCER CENTER ZIP CODE 19111			
DONALDSON, MILTON H	CANCER CONTROL DEVELOPMENT & SUPPORT	2R18 CA23321-03	961,294
GROVER, PRAKASH L	MEASURING PHYSICAL FUNCTION IN CANCER REHABILITATION	5R18 CA25289-02	79,568
ORGANIZATION TOTAL	2 1,040,862		
PITTSBURGH			
EYE AND EAR HOSPITAL OF PITTSBURGH ZIP CODE 15213			
MYERS, EUGENE N	EFFECT OF TUMORS ON EUSTACHIAN TUBE AND HEARING	1R18 CA27328-01	40,255
ORGANIZATION TOTAL	1 40,255		
WILKES-BARRE			
COMMUNITY CANCER CORPORATION OF LUZERNE COUNTY ZIP CODE 18711			
GRECO, VICTOR F	A PILOT DEMONSTRATION DETECTION PROGRAM	5R18 CA22190-03	166,594
ORGANIZATION TOTAL	1 166,594		
STATE TOTAL	7 2,343,402		
RHODE ISLAND			
KINGSTON			
UNIVERSITY OF RHODE ISLAND ZIP CODE 02881			
PROCHASKA, JAMES O	INFORMAL SELF-HELP APPROACHES TO SMOKING CESSATION	1R18 CA27821-01	181,664
ORGANIZATION TOTAL	1 181,664		
PROVIDENCE			
RHODE ISLAND HOSPITAL ZIP CODE 02902			
GOLDBERG, RICHARD J	SOCIAL SUPPORT & ADAPTATION IN TERMINAL LUNG CANCER	1R18 CA27807-01	119,285
ORGANIZATION TOTAL	1 119,285		
STATE TOTAL	2 300,949		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director		Project title	Grant number	Dollars
TENNESSEE				
MEMPHIS				
ST. JUDE CHILDREN'S RESEARCH HOSPITAL ZIP CODE 38101				
GOFF, JOHN R		NEUROPSYCHOLOGICAL EFFECTS OF LEUKEMIA & ITS TREATMENT	3R18 CA20079-0251	79,531
ORGANIZATION TOTAL	1	79,531		
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES ZIP CODE 38163				
HOON, PETER W		SEXUAL EFFECTS OF CERVICAL CANCER	5R18 CA26364-02	94,701
ORGANIZATION TOTAL	1	94,701		
NASHVILLE				
VANDERBILT UNIVERSITY ZIP CODE 37240				
BURISH, THOMAS G		REDUCING ADVERSE REACTIONS TO CANCER CHEMOTHERAPY	5R18 CA25516-02	51,445
ORGANIZATION TOTAL	1	51,445		
STATE TOTAL	3	225,677		
TEXAS				
GALVESTON				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON ZIP CODE 77550				
BAILEY, BYRON J		ELECTRONIC LARYNGEAL PROSTHESIS	5R18 CA17961-06	124,947
ORGANIZATION TOTAL	1	124,947		
HOUSTON				
BAYLOR COLLEGE OF MEDICINE ZIP CODE 77030				
SPIRA, MELVIN		A NEW METHOD USING OMENTUM TO RECONSTRUCT DEFORMITIES	5R18 CA25650-02	99,976
ORGANIZATION TOTAL	1	99,976		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER ZIP CODE 77025				
HICKEY, ROBERT C		CANCER CONTROL AND PREVENTION DEVELOPMENT AND SUPPORT	2R18 CA16413-04A1	308,420
ORGANIZATION TOTAL	1	308,420		
SAN ANTONIO				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO ZIP CODE 78284				
ZELTZER, LONNIE K		USE OF SELF-HYPNOSIS FOR CONTROL OF PAIN	5R18 CA27376-02	174,653
ORGANIZATION TOTAL	1	174,653		
STATE TOTAL	4	707,996		
VERMONT				
BURLINGTON				
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE ZIP CODE 05405				
FOSTER, ROGER S, JR		BREAST CANCER DETECTION BY BREAST SELF-EXAMINATION	5R18 CA26363-02	112,188
ORGANIZATION TOTAL	1	112,188		
STATE TOTAL	1	112,188		

Table 5.—Cancer Control Grants, by Area, Organization, and Project Director, Fiscal Year 1980—Continued

Project director	Project title	Grant number	Dollars
WASHINGTON			
SEATTLE			
FRED HUTCHINSON CANCER RESEARCH CENTER ZIP CODE 98104			
FRANCIS, ANITA M	SOCIAL EPIDEMIOLOGY OF CANCER CARE	1R18 CA27281-01	113,810
HONGLADAROM, GAIL L	CANCER CONTROL DEVELOPMENT GRANT	2R18 CA16404-06	175,577
HONGLADAROM, GAIL L	COMMUNITY-BASED CANCER NURSING EDUCATIONAL PROGRAM	5R18 CA25570-02	210,694
HUTCHINSON, WILLIAM B	CANCER PREVENTION IS YOUR CHOICE	5R18 CA25523-02	63,432
POLISSAR, LINCOLN	REFERRAL OF CANCER PATIENTS IN THE PUGET SOUND REGION	5R18 CA25919-02	39,548
ORGANIZATION TOTAL	5 603,061		
UNIVERSITY OF WASHINGTON ZIP CODE 98195			
BONICA, JOHN J	PILOT STUDY OF PAIN IN FOUR SELECTED CANCERS	1R18 CA26565-01	145,116
ORGANIZATION TOTAL	1 145,116		
VIRGINIA MASON RESEARCH CENTER ZIP CODE 98101			
CARLILE, THOMAS	PREDICTIVE VALUE OF WOLFE CLASS IN BCDDP WOMEN	5R18 CA26071-02	363,948
ORGANIZATION TOTAL	1 363,948		
STATE TOTAL	7 1,112,125		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM-UNIVERSITY OF WISCONSIN-MADISON ZIP CODE 53706			
CLEELAND, CHARLES S	A PILOT STUDY OF CANCER PAIN	5R18 CA26582-02	159,717
JOHNSON, ROBERT O	DEVELOPMENT OF REGIONAL CANCER CONTROL PROGRAM	2R18 CA16405-05	570,837
LEVENTHAL, HOWARD	CONTROL OF EMOTIONAL DISTRESS IN CANCER CHEMOTHERAPY	1R18 CA26235-01A1	138,186
ORGANIZATION TOTAL	3 868,740		
STATE TOTAL	3 868,740		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980

Responsible official			Grant number	Dollars
TOTAL 74 GRANTS				1,595,557
ALABAMA				
BIRMINGHAM				
EAST END MEMORIAL HOSPITAL AND HEALTH CENTERS ZIP CODE 35206				
TOLL, ANNE B			1G07 LM03460-01	6,883
ORGANIZATION TOTAL	1	6,883		
MONTGOMERY				
ALABAMA HOSPITAL ASSOCIATION ZIP CODE 36193				
CRAWFORD, FRED C			5G08 LM03230-02	57,716
ORGANIZATION TOTAL	1	57,716		
STATE TOTAL	2	64,599		
ALASKA				
FAIRBANKS				
FAIRBANKS MEMORIAL HOSPITAL ZIP CODE 99701				
MONTANO, EILEEN M			1G07 LM03628-01	4,450
ORGANIZATION TOTAL	1	4,450		
STATE TOTAL	1	4,450		
ARKANSAS				
PINE BLUFF				
JEFFERSON HOSPITAL ZIP CODE 71603				
LAMPKIN, STEVEN B			1G08 LM03318-01A1	76,330
ORGANIZATION TOTAL	1	76,330		
STATE TOTAL	1	76,330		

NOTE: For comments on organizations, see Appendix.

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
CALIFORNIA				
FAIRFIELD				
INTERCOMMUNITY HOSPITAL ZIP CODE 94533				
QUINN, BERNICE			1G07 LM03443-01	2,500
ORGANIZATION TOTAL	1	2,500		
FULLERTON				
SOUTHERN CALIFORNIA COLLEGE OF OPTOMETRY ZIP CODE 92631				
CARLSON, PATRICIA T			5G08 LM03159-03	19,492
ORGANIZATION TOTAL	1	19,492		
HEMET				
HEMET VALLEY HOSPITAL DISTRICT ZIP CODE 92343				
CIROCCO, DIXIE			1G07 LM03508-01	4,000
ORGANIZATION TOTAL	1	4,000		
LOS ANGELES				
UNIVERSITY OF SOUTHERN CALIFORNIA ZIP CODE 90007				
GILMAN, NELSON J			1G08 LM03435-01	73,078
ORGANIZATION TOTAL	1	73,078		
MADERA				
MADERA COMMUNITY HOSPITAL ZIP CODE 93637				
KELLEY, JANICE			1G07 LM03566-01	3,118
ORGANIZATION TOTAL	1	3,118		
SALINAS				
NATIVIDAD MEDICAL CENTER ZIP CODE 93905				
MEYER, ROBERT S			1G07 LM03615-01	22,350
ORGANIZATION TOTAL	1	22,350		
SAN FRANCISCO				
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO ZIP CODE 94143				
ZINN, NANCY W			1G08 LM03596-01	2,890
ORGANIZATION TOTAL	1	2,890		
VAN NUYS				
SAN FERNANDO VALLEY COMMUNITY MENTAL HEALTH CENTERS ZIP CODE 91405				
MORRIS, ROBERT			1G07 LM03620-01	3,000
ORGANIZATION TOTAL	1	3,000		
STATE TOTAL	8	130,478		
CONNECTICUT				
MIDDLETOWN				
CONNECTICUT STATE DEPARTMENT OF MENTAL HEALTH-CONNECTICUT VALLEY HOSPITAL ZIP CODE 06457				
ASBELL, MILDRED S			5G08 LM03064-03	5,839
ORGANIZATION TOTAL	1	5,839		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
CONNECTICUT—Continued				
NEW HAVEN				
YALE UNIVERSITY ZIP CODE 06520				
VISELTEAR, ARTHUR J			5G08 LM03072-02	33,541
ORGANIZATION TOTAL	1	33,541		
STATE TOTAL	2	39,380		
FLORIDA				
GAINESVILLE				
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA ZIP CODE 32611				
SKYCLEY, TED F			5G08 LM03244-02	57,898
ORGANIZATION TOTAL	1	57,898		
TAMPA				
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF SOUTH FLORIDA ZIP CODE 33620				
BRYANT, FRED D			5G08 LM03041-02	36,650
ORGANIZATION TOTAL	1	36,650		
STATE TOTAL	2	94,548		
GEORGIA				
FORT VALLEY				
GEORGIA DEPARTMENT OF HUMAN RESOURCES--PEACH COUNTY HEALTH DEPARTMENT ZIP CODE 31030				
RANKIN, JOCELYN A			1G07 LM03649-01	14,000
ORGANIZATION TOTAL	1	14,000		
STATE TOTAL	1	14,000		
IDAHO				
BOISE				
IDAHO STATE DEPARTMENT OF EDUCATION ZIP CODE 83720				
BOLLES, CHARLES A			5G08 LM03357-02	40,980
ORGANIZATION TOTAL	1	40,980		
MC CALL				
MC CALL MEMORIAL HOSPITAL ZIP CODE 83638				
HART, GERALD L			2G07 LM03241-02	5,000
ORGANIZATION TOTAL	1	5,000		
NAMPA				
MERCY MEDICAL CENTER ZIP CODE 83651				
GRUPE, MYRA C			1G07 LM03407-01	4,200
ORGANIZATION TOTAL	1	4,200		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
IDAHO—Continued				
POCATELLO				
BANNOCK MEMORIAL HOSPITAL ZIP CODE 83201				
MC NAMARA, MARGARET				
ORGANIZATION TOTAL	1	60,485	5G07 LM03314-02	60,485
STATE TOTAL	4	110,665		
ILLINOIS				
EUREKA				
EUREKA HOSPITAL ZIP CODE 61530				
ANDERSON, CAROLYN M				
ORGANIZATION TOTAL	1	4,000	1G07 LM03521-01	4,000
JACKSONVILLE				
PASSAVANT MEMORIAL AREA HOSPITAL ZIP CODE 62650				
KNIGHT, DOROTHY H				
ORGANIZATION TOTAL	1	4,000	1G07 LM03561-01	4,000
PRINCETON				
PERRY MEMORIAL HOSPITAL ZIP CODE 61356				
EVANS, DONALD R				
ORGANIZATION TOTAL	1	3,305	1G07 LM03453-01	3,305
STATE TOTAL	3	11,305		
INDIANA				
COLUMBUS				
REGION X MENTAL HEALTH FOUNDATION ZIP CODE 47201				
BRAUN, MARILYN				
ORGANIZATION TOTAL	1	4,176	1G07 LM03532-01	4,176
INDIANAPOLIS				
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS ZIP CODE 46202				
LAATZ, MARY J				
ORGANIZATION TOTAL	1	26,096	5G08 LM02687-03	26,096
TERRE HAUTE				
INDIANA STATE UNIVERSITY TERRE HAUTE ZIP CODE 47809				
TANNENBAUM, EARL				
ORGANIZATION TOTAL	1	20,225	1G07 LM03595-01	20,225
STATE TOTAL	3	50,497		

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Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
IOWA				
DES MOINES				
DRAKE UNIVERSITY ZIP CODE 50311				
JOHNSTON, PRESLEY M			1G08 LM03356-01	49,047
ORGANIZATION TOTAL	1	49,047		
DUBUQUE				
AREA RESIDENTIAL CARE ZIP CODE 52001				
GANSEMER, GARY L			1G07 LM03345-01	4,000
ORGANIZATION TOTAL	1	4,000		
SPENCER				
SPENCER MUNICIPAL HOSPITAL ZIP CODE 51301				
ANDERSEN, RUTH M			1G07 LM03504-01	3,910
ORGANIZATION TOTAL	1	3,910		
STATE TOTAL	3	56,957		
KANSAS				
WICHITA				
OSTEOPATHIC HOSPITAL OF WICHITA ZIP CODE 67203				
PICKELL, BARBARA			1G07 LM03481-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
LOUISIANA				
LAKE CHARLES				
ST. PATRICK HOSPITAL OF LAKE CHARLES ZIP CODE 70601				
PARK, IMOGENE G			1G07 LM03452-01	19,822
ORGANIZATION TOTAL	1	19,822		
STATE TOTAL	1	19,822		
MAINE				
AUGUSTA				
KENNEBEC VALLEY MEDICAL CENTER ZIP CODE 04330				
GOODWIN, CLAIRE K			5G08 LM03219-02	20,532
GOODWIN, CLAIRE K			7G08 LM03762-01	19,968
ORGANIZATION TOTAL	2	40,500		
MAINE HOSPITAL ASSOCIATION ZIP CODE 04330				
BERTSCH, DONALD A, JR			5G08 LM03211-02	31,236
ORGANIZATION TOTAL	1	31,236		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
MAINE—Continued				
BAR HARBOR				
CENTER FOR HUMAN GENETICS ZIP CODE 04609				
FOLLETT, MARY M			1G07 LM03507-01	3,701
ORGANIZATION TOTAL	1	3,701		
CAMDEN				
CAMDEN COMMUNITY HOSPITAL AND HEALTH CARE CENTER ZIP CODE 04843				
SWIFT, BARBARA			1G07 LM03517-01	4,000
ORGANIZATION TOTAL	1	4,000		
LEWISTON				
CENTRAL MAINE MEDICAL CENTER ZIP CODE 04240				
GENETTI, RAYNNA B			5G08 LM03348-02	63,062
ORGANIZATION TOTAL	1	63,062		
STATE TOTAL	6	142,499		
MARYLAND				
BALTIMORE				
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE ZIP CODE 21201				
FENG, CYRIL C			5G08 LM03257-02	36,825
ORGANIZATION TOTAL	1	36,825		
BETHESDA				
UNDERSEA MEDICAL SOCIETY ZIP CODE 20014				
SHILLING, CHARLES W			5G08 LM03134-02	13,403
ORGANIZATION TOTAL	1	13,403		
STATE TOTAL	2	50,228		
MASSACHUSETTS				
BOSTON				
MASSACHUSETTS COLLEGE OF PHARMACY AND ALLIED HEALTH SCIENCES ZIP CODE 02115				
GAZILLO, MARK J			1G07 LM03412-01	4,000
ORGANIZATION TOTAL	1	4,000		
CAMBRIDGE				
MOUNT AUBURN HOSPITAL ZIP CODE 02138				
WITTE, LAWRENCE M			3G08 LM03024-03S1	8,000
ORGANIZATION TOTAL	1	8,000		
WORCESTER				
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER ZIP CODE 01605				
MORTON, DONALD J			2G07 LM03147-02	24,000
ORGANIZATION TOTAL	1	24,000		
STATE TOTAL	3	36,000		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
MICHIGAN				
HASTINGS				
PENNOCK HOSPITAL ZIP CODE 49058				
HAWKINS, MARY D			1G07 LM03441-01	3,925
ORGANIZATION TOTAL	1	3,925		
STATE TOTAL	1	3,925		
MINNESOTA				
CANBY				
CANBY COMMUNITY HOSPITAL DISTRICT ONE ZIP CODE 56220				
RAIBER, LINDA			2G07 LM03237-02	30,000
ORGANIZATION TOTAL	1	30,000		
GRAND RAPIDS				
ITASCA MEMORIAL HOSPITAL ZIP CODE 55744				
ANDERSON, PAT			1G07 LM03598-01	4,350
ORGANIZATION TOTAL	1	4,350		
STATE TOTAL	2	34,350		
MONTANA				
LEWISTOWN				
CENTRAL MONTANA HOSPITAL AND NURSING HOME ZIP CODE 59457				
FLETCHER, GARY L			1G07 LM03454-01	3,222
ORGANIZATION TOTAL	1	3,222		
STATE TOTAL	1	3,222		
NEBRASKA				
LINCOLN				
LINCOLN MEDICAL EDUCATION FOUNDATION ZIP CODE 68510				
GEORGE, JOHN H			1G07 LM03324-01	23,200
ORGANIZATION TOTAL	1	23,200		
OMAHA				
CREIGHTON UNIVERSITY ZIP CODE 68178				
WANNARKA, MARJORIE B			1G08 LM03353-01	109,427
ORGANIZATION TOTAL	1	109,427		
STATE TOTAL	2	132,627		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
NEW JERSEY				
ELIZABETH				
ELIZABETH GENERAL HOSPITAL AND DISPENSARY ZIP CODE 07201				
BOSS, CATHERINE M			5G08 LM02999-03	13,187
ORGANIZATION TOTAL	1	13,187		
STATE TOTAL	1	13,187		
NEW MEXICO				
SANTA FE				
ST. VINCENT HOSPITAL ZIP CODE 87501				
KNOWLES, JANE			1G07 LM03200-01A1	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
NEW YORK				
CANTON				
NORTH COUNTRY REFERENCE AND RESEARCH RESOURCES COUNCIL ZIP CODE 13617				
KIMBALL, RICHARD H			5G07 LM03316-02	67,500
ORGANIZATION TOTAL	1	67,500		
UTICA				
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--UTICA-MARCY PSYCHIATRIC CENTERS ZIP CODE 13502				
SMITH, TOMS E			5G08 LM03059-03	10,285
ORGANIZATION TOTAL	1	10,285		
STATE TOTAL	2	77,785		
NORTH CAROLINA				
GOLDSBORO				
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES--CHERRY HOSPITAL ZIP CODE 27530				
TABORY, MAXIM			5G08 LM02983-03	18,140
ORGANIZATION TOTAL	1	18,140		
NORTH WILKESBORO				
WILKES GENERAL HOSPITAL ZIP CODE 28659				
HARRIS, RUSSELL P			1G07 LM03567-01	4,000
ORGANIZATION TOTAL	1	4,000		
RALEIGH				
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES--DOROTHEA DIX HOSPITAL ZIP CODE 27611				
WALKER, PRESTON A			5G08 LM03125-03	10,880
ORGANIZATION TOTAL	1	10,880		
STATE TOTAL	3	33,020		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
OHIO				
ALLIANCE				
ALLIANCE CITY HOSPITAL	**ZIP CODE 44601**			
BENISHEK, KRISTINE K.			1G07 LM03415-01	3,000
ORGANIZATION TOTAL	1	3,000		
STATE TOTAL	1	3,000		
OKLAHOMA				
OKLAHOMA CITY				
PRESBYTERIAN HOSPITAL	**ZIP CODE 73104**			
WILLIAMS, DOROTHY			5G07 LM03326-02	71,150
ORGANIZATION TOTAL	1	71,150		
STATE TOTAL	1	71,150		
OREGON				
LA GRANDE				
COUNCIL FOR MEDICAL EDUCATION AND DEVELOPMENT	**ZIP CODE 97850**			
BROWN, PAT			7G07 LM03751-01	20,489
ORGANIZATION TOTAL	1	20,489		
PORTLAND				
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER	**ZIP CODE 97201**			
MORGAN, JAMES E			5G08 LM03115-03	73,936
ORGANIZATION TOTAL	1	73,936		
PROVIDENCE MEDICAL CENTER	**ZIP CODE 97213**			
PALMER, MIRIAM			1G07 LM03530-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	3	98,425		
PENNSYLVANIA				
PHILADELPHIA				
HORIZON HOUSE INSTITUTE FOR RESEARCH AND DEVELOPMENT	**ZIP CODE 19144**			
TUCKER, MARGARET			1G07 LM03486-01	4,000
ORGANIZATION TOTAL	1	4,000		
SAYRE				
ROBERT PACKER HOSPITAL	**ZIP CODE 18840**			
ANTES, E JEAN			5G08 LM03301-02	58,831
ORGANIZATION TOTAL	1	58,831		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
PENNSYLVANIA—Continued				
SOMERSET				
PENNSYLVANIA STATE DEPARTMENT OF PUBLIC WELFARE--SOMERSET STATE HOSPITAL ZIP CODE 15501				
KLINE, EVE			5G07 LM03275-02	38,000
ORGANIZATION TOTAL	1	38,000		
STATE TOTAL	3	100,831		
RHODE ISLAND				
WARWICK				
KENT COUNTY MEMORIAL HOSPITAL ZIP CODE 02886				
LAMBETH, MARGARET S			1G07 LM03419-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
SOUTH DAKOTA				
ABERDEEN				
ST. LUKE'S HOSPITAL ZIP CODE 57401				
PETERSEN, BYRON L			5G07 LM03297-02	17,753
ORGANIZATION TOTAL	1	17,753		
WATERTOWN				
ST. ANN'S HOSPITAL ZIP CODE 57201				
CONEJO, DAVID			2G07 LM03233-02	11,982
ORGANIZATION TOTAL	1	11,982		
YANKTON				
SOUTH DAKOTA STATE BOARD OF CHARITIES AND CORRECTIONS--SOUTH DAKOTA HUMAN SERVICES CENTER ZIP CODE 57078				
KOSTEL, MARY L			1G07 LM03414-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	3	33,735		
TEXAS				
MOUNT PLEASANT				
TITUS COUNTY MEMORIAL HOSPITAL ZIP CODE 75455				
ALLEN, WILLIAM J			1G07 LM03534-01	4,400
ORGANIZATION TOTAL	1	4,400		
STATE TOTAL	1	4,400		

Table 6.—Medical Library Grants, by Area, Organization, and Responsible Official, Fiscal Year 1980—Continued

Responsible official			Grant number	Dollars
UTAH				
SALT LAKE CITY				
INTERMOUNTAIN HEALTH CARE--PRIMARY CHILDREN'S MEDICAL CENTER ZIP CODE 84103				
BAER, MARY L			5G07 LM03239-02	24,400
ORGANIZATION TOTAL	1	24,400		
STATE TOTAL	1	24,400		
WASHINGTON				
BELLEVUE				
OVERLAKE HOSPITAL ZIP CODE 98004				
KIRBY, KAREN			1G07 LM03508-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
WEST VIRGINIA				
GLEN DALE				
REYNOLDS MEMORIAL HOSPITAL ZIP CODE 26038				
LYNCH, MARY C			1G07 LM03358-01	4,000
ORGANIZATION TOTAL	1	4,000		
STATE TOTAL	1	4,000		
WYOMING				
CASPER				
MEMORIAL HOSPITAL OF NATRONA COUNTY ZIP CODE 82601				
LANGE, NAOMI W			1G08 LM03558-01	35,557
ORGANIZATION TOTAL	1	35,557		
RIVERTON				
FREMONT COUNTY MEMORIAL HOSPITAL ZIP CODE 82501				
BEBOUT, LINDA L			1G07 LM03604-01	4,230
ORGANIZATION TOTAL	1	4,230		
STATE TOTAL	2	39,787		

Table 7.—Cooperative Agreements, by Area, Organization, and Project Director, Fiscal Year 1980

Project director	Project title	Grant number	Dollars
TOTAL, 1 GRANT			800,000

SWITZERLAND

GENEVA

WORLD HEALTH ORGANIZATION

SOMERS, EMMANUEL	INTERNATIONAL PROGRAMME ON CHEMICAL SAFETY (IPCS)	1001 ES02617-01	800,000
ORGANIZATION TOTAL	1 800,000		
STATE TOTAL	1 800,000		

NOTE: For information concerning cooperative agreements, see Technical Note, p. vii.

APPENDIX

Notes on Selected Organizations

Organizations appearing in more than one geographical location or requiring a clarifying comment are listed below in alphabetic sequence. Comments on certain foundations or on organizations whose names have changed since last year appear after the name of the organization.

United States

Affiliated Hospitals Center--Boston (3 units), Mass. (2,3,5)
American Health Foundation--New York, Valhalla, N.Y. (2,5)
California State University and Colleges System--Los Angeles, Northridge, San Diego, Calif. (2,3,5)
City University of New York--New York (5 units), N.Y. (2,3)
College of Medicine and Dentistry of New Jersey--Newark, Piscataway, N.J. (2,3)
Cornell University--Ithaca, New York, N.Y. (2-4)
Harvard University--Boston, Cambridge, Mass. (2-5)
Indiana University--Bloomington, Indianapolis, Ind. (2,3,5,6)
Kennebec Valley Medical Center (formerly known and shown as Augusta General Hospital)--Augusta, Maine (6)
Louisiana State University--Baton Rouge, New Orleans, La. (2,3)
New York State Department of Health (may include awards to Health Research, Inc.)--Albany, Buffalo, N.Y. (2-5)
New York State Department of Mental Hygiene (may include awards to New York State Research Foundation for Mental Hygiene, Inc.)--New York, Utica. N.Y. (6)
North Carolina Department of Human Resources (may include awards to North Carolina Foundation for Mental Health Research, Inc.)--Chapel Hill, Goldsboro, Raleigh, N.C. (2,6)
Northwestern University--Chicago, Evanston, Ill. (2,3,5)
Oregon State Higher Education System--Corvallis, Eugene, Portland, Oreg. (2,3,6)
Pennsylvania State University--Hershey, University Park, Penn. (2,3,5)
State University of New York--Binghamton, Buffalo, New York, Stony Brook, Syracuse, N.Y. (2,3,5)
State University System of Florida--Gainesville, Tallahassee, Fla. (2,3,5,6)
Texas Agricultural and Mechanical University System--College Station, Prairie View, Texas (2,3)
Tulane University of Louisiana--Covington, New Orleans, La. (2,3)

U.S. Department of Defense--Bethesda (2 units), Md. (2)
U.S. Department of Health and Human Services--Phoenix, Ariz.; Washington, D.C.; Atlanta, Ga.; Baltimore, Bethesda, Frederick, Rockville, Md.; Research Triangle Park. N.C. (2)
U.S. Veterans Administration--Long Beach, Los Angeles, Calif. (2)
University of California--Berkeley, Davis, Irvine, La Jolla, Los Angeles, Riverside, San Francisco, Santa Barbara, Santa Cruz, Calif. The unit in La Jolla may include awards to the Friends of Psychiatric Research of San Diego. (2-6)
University of Colorado System--Boulder, Denver, Colo. (2,3,5)
University of Connecticut--Farmington, Storrs, Conn. (2,3,5)
University of Illinois--Chicago, Urbana, Ill. (2,3)
University of Kansas--Kansas City, Lawrence, Kans. (2,3,5)
University of Maryland System--Baltimore, Catonsville, College Park, Md. (2,3,6)
University of Massachusetts--Amherst, Worcester, Mass. (2,3,6)
University of Miami--Coral Gables, Miami, Fla. (2,3,5)
University of Minnesota--Duluth, Minneapolis, Minn. (2-4)
University of Missouri--Columbia, Kansas City, Mo. (2,3)
University of Nebraska System--Lincoln, Omaha, Nebr. (2,3)
University of North Carolina System--Chapel Hill, Durham, Greensboro, Greenville, Raleigh, N.C. (2,3,5)
University of Puerto Rico--San Juan (2 units), P.R. (2,3)
University of Tennessee System--Knoxville, Memphis, Tenn. (2,3,5)
University of Texas System--Austin, Dallas, Galveston, Houston (2 units), San Antonio (2 units), Tex. (2,3,5)
University System of Georgia--Athens, Atlanta (2 units), Augusta, Savannah, Ga. (2,3)
Utah State Higher Education System--Logan, Salt Lake City, Utah (2,3)

Other Countries

Max Planck Society for the Advancement of Science--Munich, Tubingen, Germany (Federal Republic of) (2)
Medical Research Council--Cambridge, London, United Kingdom (2)

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